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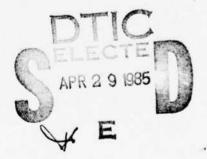


JOAP-TSC REPORT 84-01

EVALUATION OF USED CRANKCASE OILS USING COMPUTERIZED INFRARED SPECTROMETRY

APPENDICES

JOINT OIL ANALYSIS PROGRAM
TECHNICAL SUPPORT CENTER
PENSACOLA, FL



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20. (cont) regions and peaks. Evaluation criteria for five Army combat and tactical vehicle engines and one Air Force administrative engine are developed. Further the study recommends a field test of the infrared methodology at a single Army installation. This document only includes conjute printent with tables and plots.

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^{*}These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.

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		MULSSICH III	711	SUM OF SQUARES 38.64482524	9-66123631	85.89	9.0001
		liut	R VALUE	SID ERROR	PF 11	ı. UL	PROB>F
		1017 17 17 17 17 17 17 17 17 17 17 17 17 1	28.4690338 0.17080330 0.17080330 -3.03153644	13.56697046 0.02931515 0.71348520 0.01072683	0.81646659 4.23158350 2.01732433 0.52116562	17.26 17.93 4.63	0.0081 0.0081 0.0001 0.0334
THE SAPVE	MONEL IS	THE PEST 4 VARIABLE	ששרנ שטטנו בטווהטי				
	VAPIIBLE	FOY PHTERFO	F SCHARF	= 0.75473954	C(P) = 4.90675260		
			n.F	SIIM OF SQUARES	MEAN SQUARE	u.	PRO8>F
		F GRESSION of 9 Op TOTAL	1133	39.26951241 12.76103597 57.03054639	7.85390248	72.62	0.0001
			A VALIF	STO FRADR	TYPE II SS	u.	PROB>F
		INTERCEDT	1,91523850	93			
		14F2	2 674 1765 30 176 21025 0 172 2147 -2 677 47219	10.3935410 10.395410 0.02680113 0.71450324 0.01970362	0.62469718 0.92631078 4.00109328 1.51795204 0.73111233	37 99 13 99 6 76	0,000 0,000 0,000 0,000 0,000 0,000 0,000
THE ABOVE	MCDEL 15	IS THE REST S VAPI	VAPTABLE WIDFL FOUND.				
	VAR TAPLE	CLI STIFFED		= 0. 7578C625	C(P) = 5.53394033		
			nr	SIJM OF SOUTAGES	MEAN SQUARE	L	PROBSE
		Foot Foot Total	117	30,42937476 12,60147363 52,03054635	6.57151246	10.19	0.0001
			H VALUE	STD EPSCR	TYPF II SS	u.	PROBSE
		19150(EDT	1. 9796 6047 -9. 001 62547 -5. 1466769 97. 1747630	0.00085910 2.27177290 11.82471525 0.02875164	0.15956234 0.77024086 1.07255727 3.97648958	1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	0.0022 0.0032 0.0022 0.0022
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15:34 MONDAY, APRIL 25, 1		PRUBJE	0.0001	PROBSF	0.2472 0.0046 0.0014	0.0001 0.0002 0.0108		PRUBSE	0.0001	PROB>F	0.2240 0.0044 0.0027	0.0001 0.0987 0.0002 0.1374		PROBSE	0.0001	PROBSF .	000000000000000000000000000000000000000
15:34		-	52.54	ů.	1.35	35.82 1.17 14.72 6.72		1	52.62	ıL	444	36.BI 22.77 14.36 2.24		4	53.24	ıL	3.62 9.86 6.97 44.79 15.52
Y S I S S Y S T E M DEPENDENT VAFIAHLE TAN	C(P) = 6.38415891	MEAN SOUZRE	5. 65063581 0. 10755257	TYPE 11 SS	0.14549951 0.9003972 1.15343255	3.8537763 0.12537593 1.58294272 0.72269636	C(P) = 6.24622489	MEAN SOUAPE	5.65278817	TYPE 11 SS	1605	3.95438075 0.24578755 0.24038556 0.24038526	C(P) = 5.23490999	MEAN SQUARE	5.46854615	TYPE 11 SS	0.38538437 1.054259853 4.74259853 1.65288110
1 C A L A N A L	= 0.76021591	SITH TIF SQUARES	39. 55445C66 12.47609772 52.03054£35	STD EPROR	0.00095955 2.37828464 11.94782515	0.03153752 0.0034765 0.8384052 0.01848527		SIJM TIP SOUNTES	39.56551718 12.46103121 52.03054839	~	0012358 1882327 5222222	0.07376127 0.0056576 0.72196772 0.02116426		SITH OF COUTABES	39.67982202 12.35072536 72.03054835	~	0.00123454 2.16398160 10.41558360 0.03748476
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FF PAR STON	122	1.78318036	1.78318036	409.00	0.0001	
171	P VALUE	2.31537584 STD ERROR	TYPE II SS	ı	PROB> F	
UTEPCEPT (UTA	0.05682633	0.00000234	1.78318036	409.00	0.0001	
- c	NA.	= 0.80238485	C(P) = 42.27086864			
	DF was a second of the second	SIJM OF SQUARES	MEAN SQUARE	1	PKOB>F	
PF GAESSION FAROR	121	1.85758500	0.92879250	245.65	0.0001	
	R VALUE	STD ERROR	TYPE 11 SS	u.	PROBSE	
INTERCEPT (L) (L) 14	0.00088309 0.00088309 0.00002920	0.00019907	0.07440464	19.68	000000000000000000000000000000000000000	
REPLACED BY DETISS	F SQUARE		C(P) = 39.62592953			
PEGRESSION FORDS TOTAL	DF 121 121	1.86513500 0.44994484 2.31507984	MEAN SQUARE 0.93256750 0.00371855	250.79	0.0001	
	P VALUE	STD ERROR	TYPE 11 SS	u.	PR08>F	
OFT.193	0.00025311	0.00009725	1.27875863	343.89	0.0001	
THE REST 2 VAPTAB	VAPTABLE MIDEL FORIND.	= 0. 81734740	C(P) = 32.13586724			
PEGRESSION	I23	SUM OF SQUARES 1.89222448 0.42285536	, MEAN SQUARE 0.6352379	178.99	PRUBSE 0.0001	
70-41	123 B VALUE	2.31507584 STD ERROR	TYPE 11 SS	u.	PROB>F	
141F0CEDT (1 1 08:1133	0.00972667 0.00124164 0.0015918	0.00022363	0.10862571	30.83	0.0001	
61.114	0,00001664	0.00000600	0.02708948	7.69	0.0064	
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10111 PCEPT 0,000 58 55 65 65 65 65 65 65 65 65 65 65 65 65	1 - 9099642	0.63665476	188.58	0.0001	
1147 PC EPT					
CI 1 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STD EPRDK	TYPE II SS	-	PKU8>F	
	0.00019113	0.09548038 0.05237929 0.07285418	238 2158 2158 5158	0000	
4 (L) KEPLAICO MY CLZ	JARE = 0.82660905	C(P) = 24.62443687			
	SUM THE SQUARES	MEAN SOUARE		PROBYF	
F GP ESS ION 120	1.91366594	0.63788865	190.69	0,0001	
	STD EPROP	TYPE 11'SS	u	PROBSE	
NY FF (FP T	0.00031095 0.13531266 0.0000450	0.09918203 0.06366266 0.08731369	29.65 19.03 26.10	0000	
3 VARIAR					
4 VARIABLE DETIG ENTERED TO R SQUARE	= 0° 83029968	C(P) * 23.63124264			
90	SUM OF SQUARES	MEAN SQUARE	ů.	PROB>F	
FERNE 119 TOTAL 123	1.97221004 0.39286980 2.31507584	0.00330143	145.56	0.0001	
	STO EKRCK	TYPE II SS		PKUB>F	1.
CEPT 0	0,00033514	0.06474040	19.61	0.0001	
10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	0.18276367	0.00854417 0.06160662 0.07423797	18.66 22.49	0.0001	
ABOVE MONEL IS THE REST 4 VARIABLE MODEL FOUND	0 200 200 0 =	7640045 00 - 00 76004634			
06	SUM OF SQUARES	MEAN	u.	PROB>F	
FFGPESSION 5 FPRINT 11H TOTAL 123	1.9360852 0.3789906 2.3150758	0,38721785	120.56	0,0001	
	STD FRADR	TYPE 11 SS	ı	PROBYF	
147 CP CEPT 0.0164 C568 C1 0 0017 E146 0.017 14 - 0.002 530 66 C102 530 66	0.00036212 0.00110754 0.19982306	0.07860620 0.01496454 0.07432223	24.64	0.0001 0.0329 0.0001	
2	0.00000632	0.01767884	24.32	0.000	

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APPENDIX C CONTINENTAL LDT-465 BENCH TEST ENGINE

TABLE	CONTENTS	PAGE
C-1	LDT Data	C-1
C-2	Correlation Matrix	C-3

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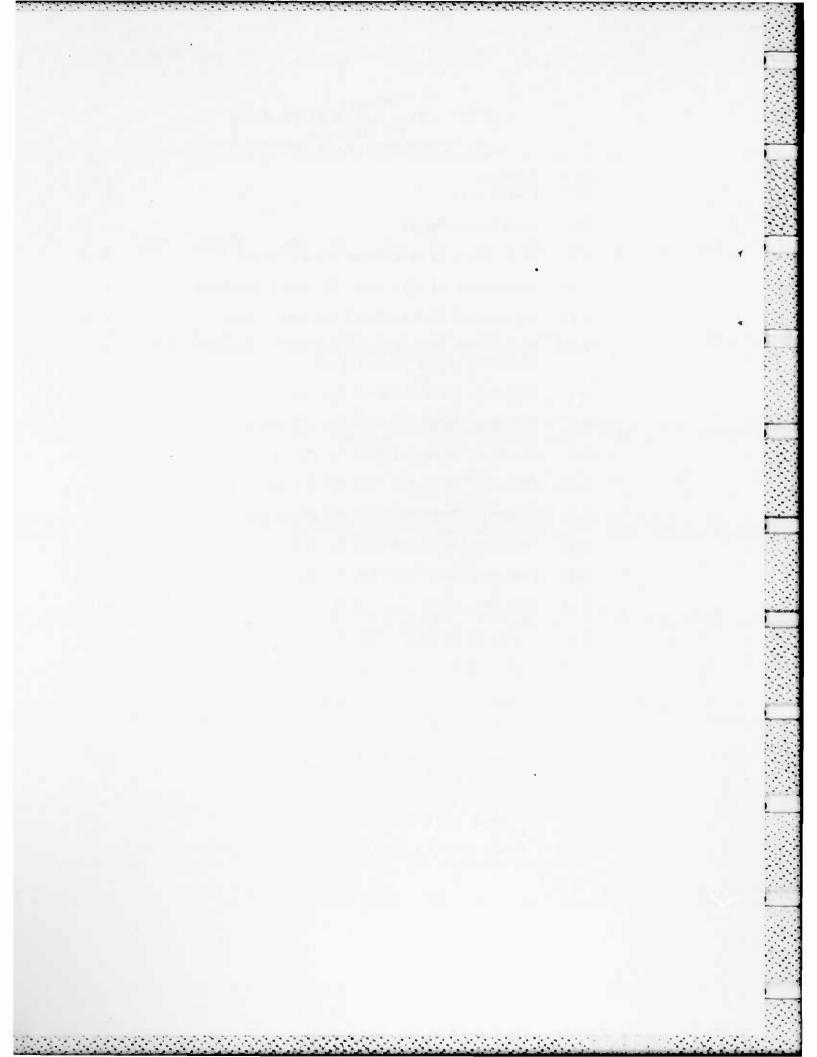
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APPENDIX D DETROIT DIESEL ALLISON 6V-53T ENGINE 1ST BATTALION 22ND FIELD ARTILLERY, FT. CARSON, CO.

TABLE Ü−1	6V-53T Data .	PAGE D- 1
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^{*} These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.



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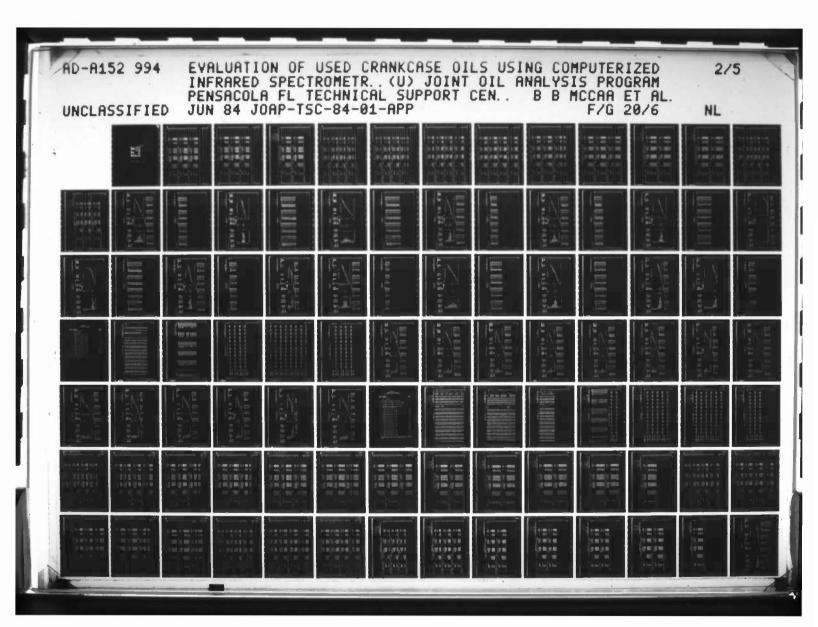
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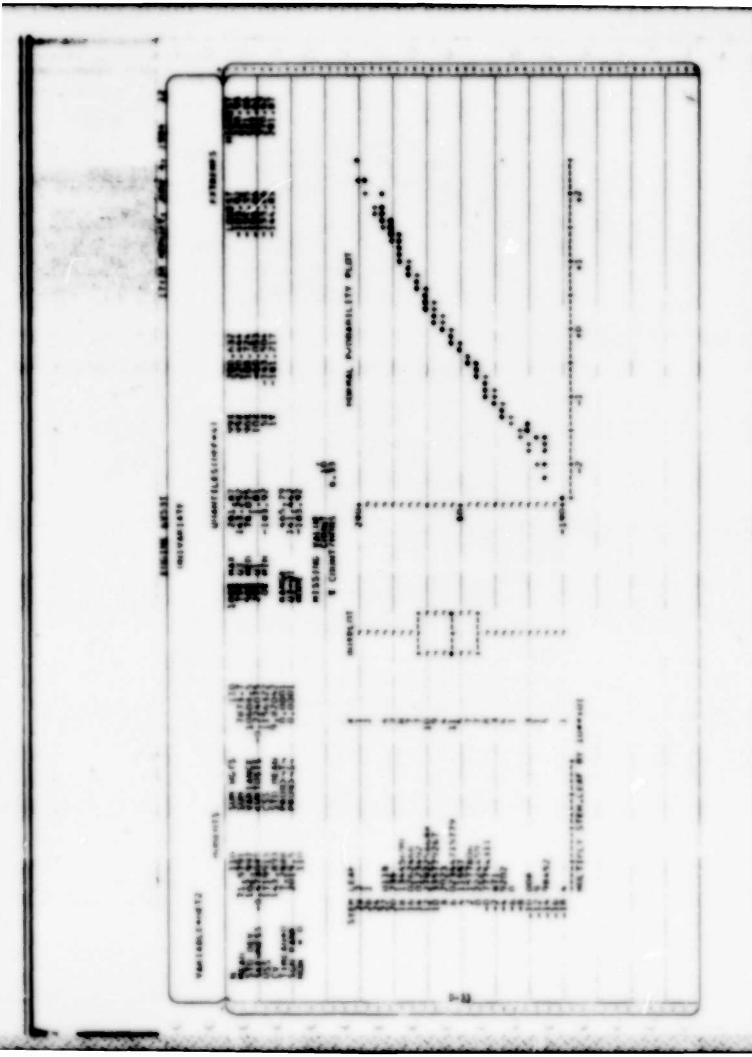
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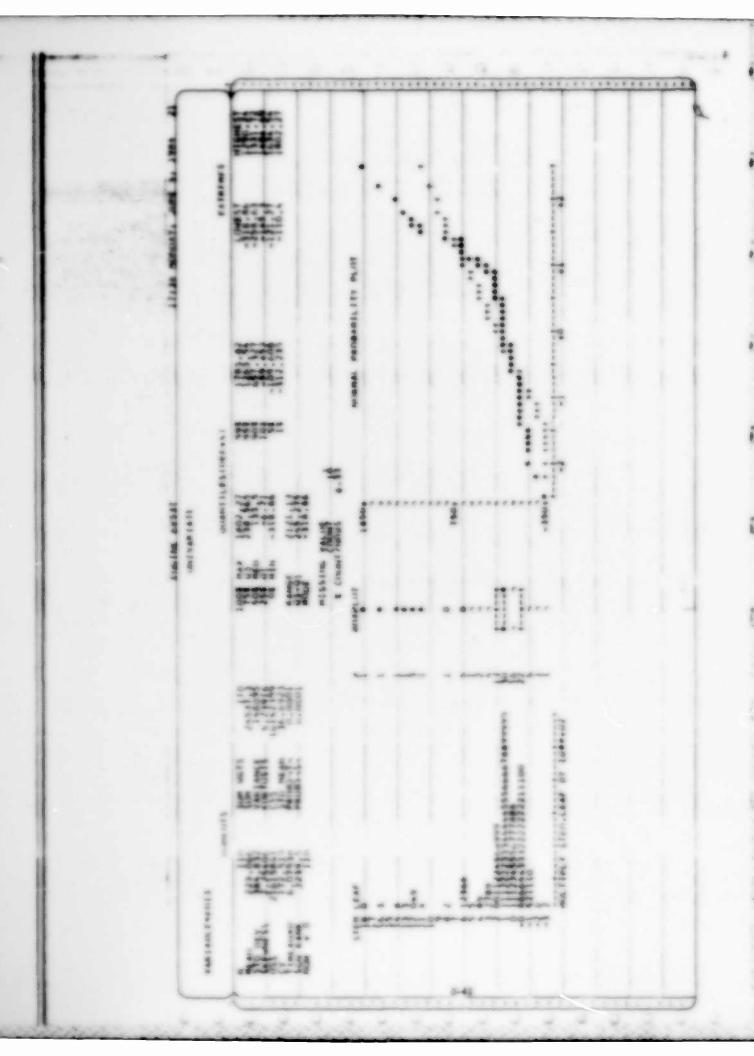
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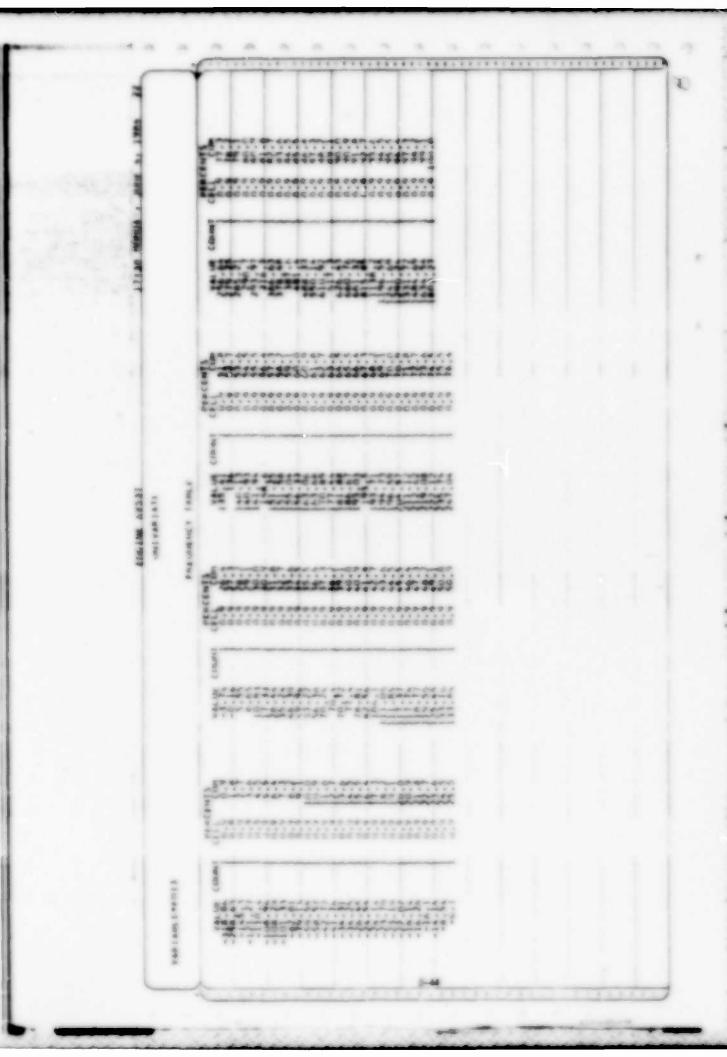
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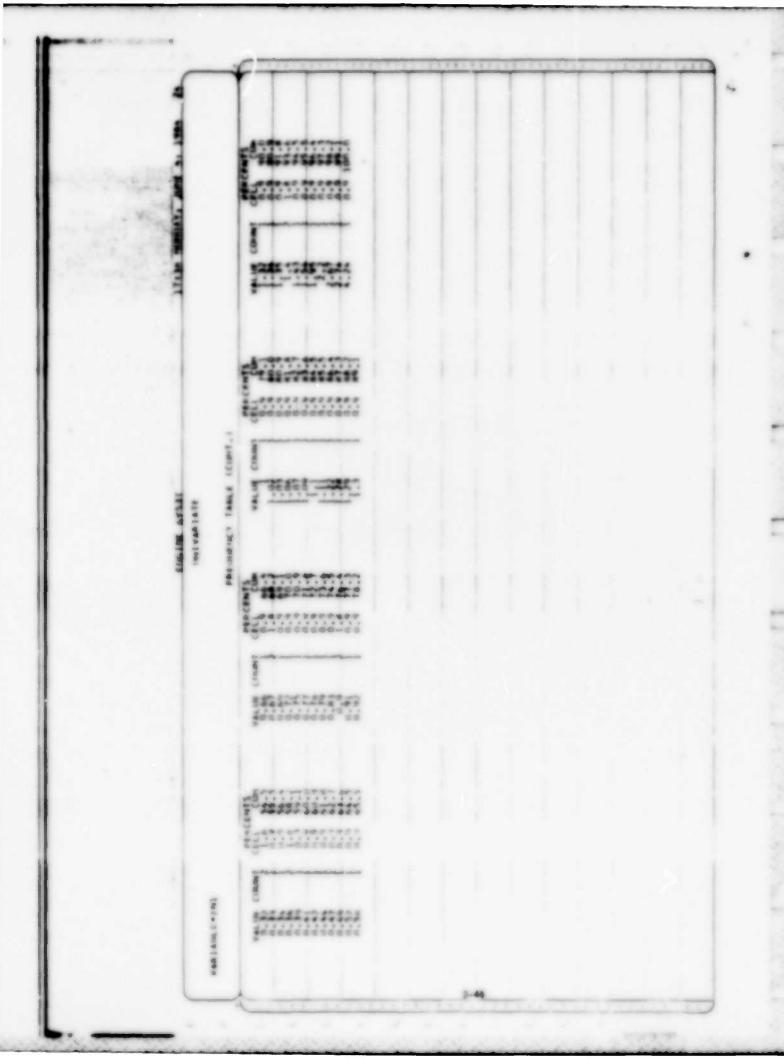


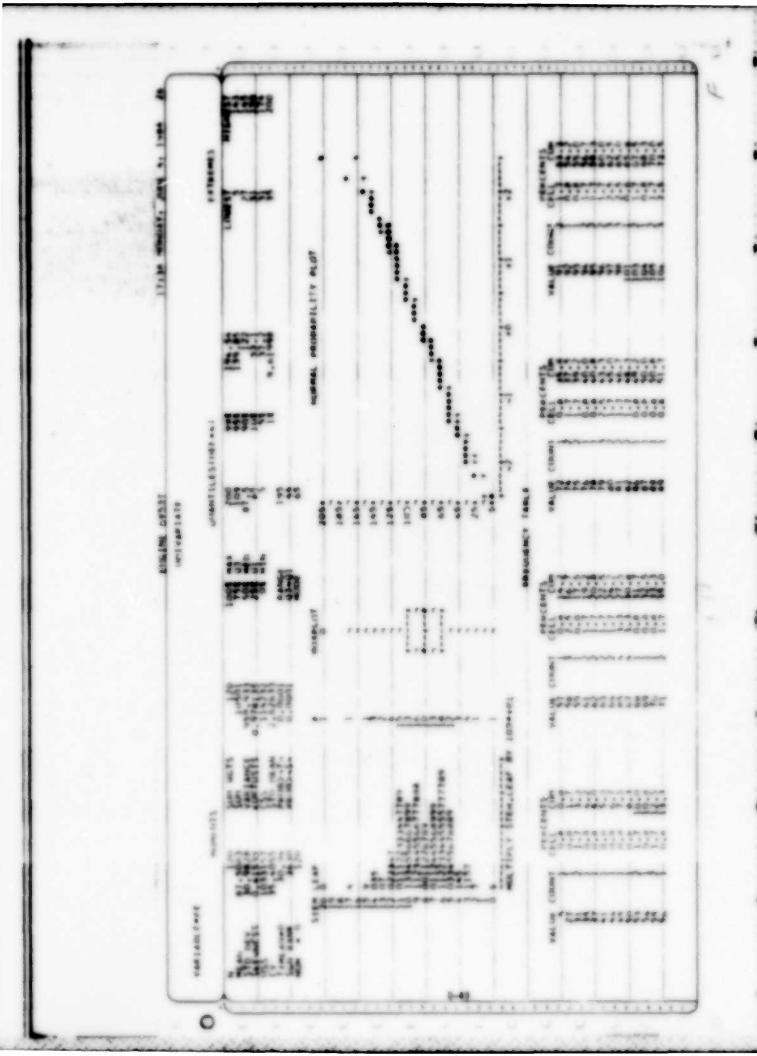
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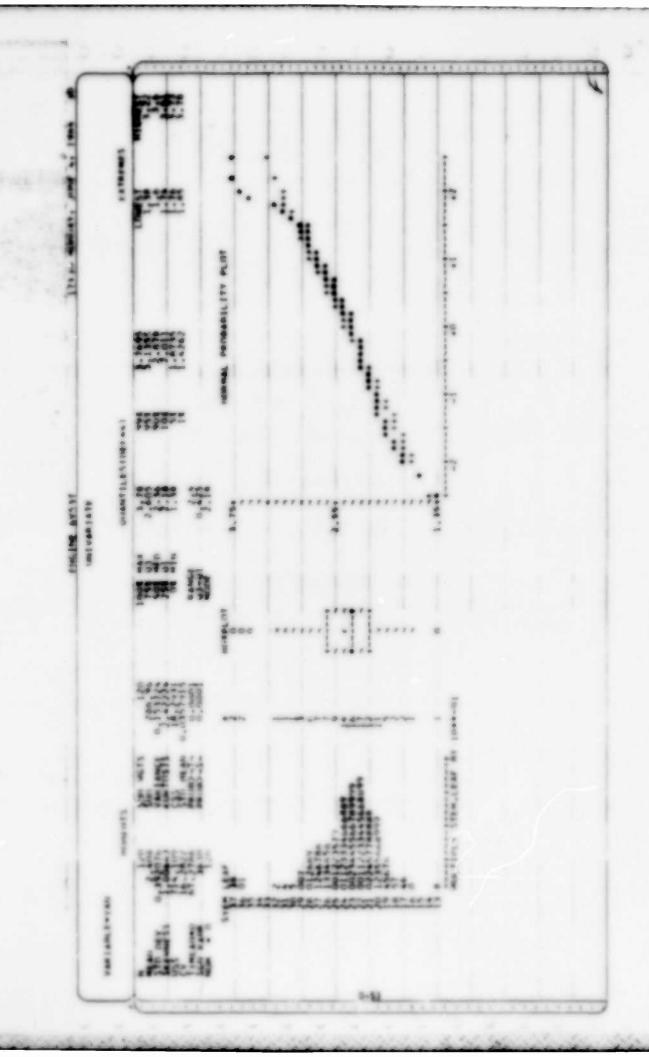








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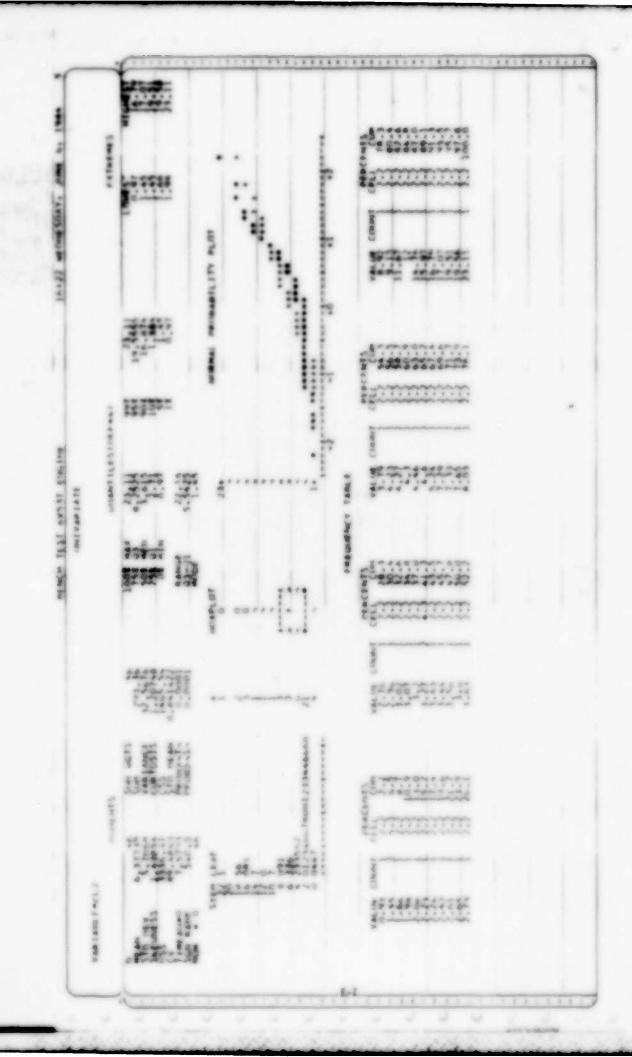
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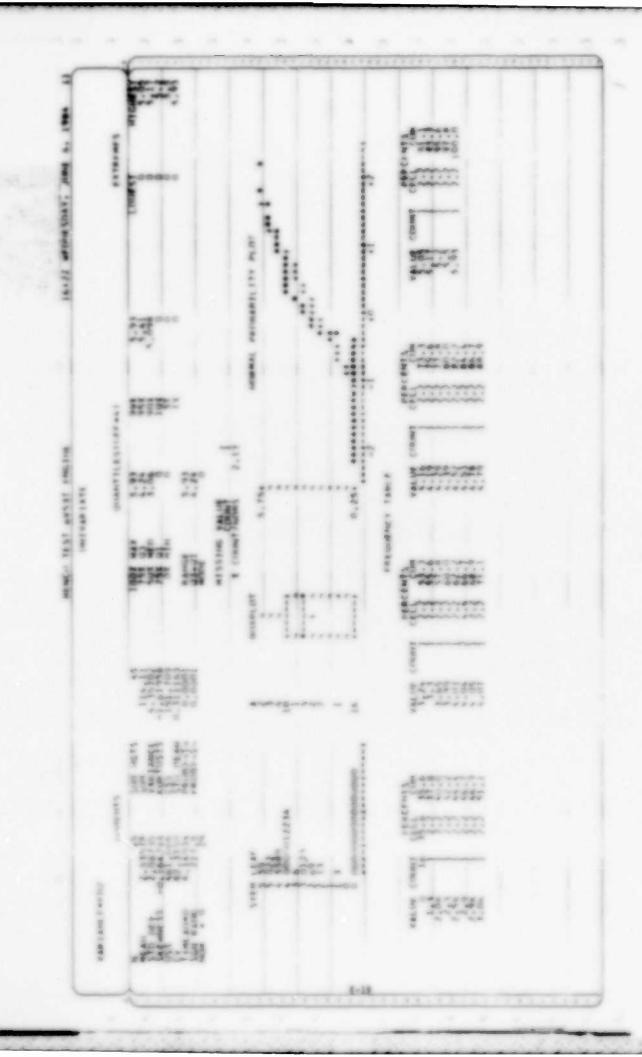
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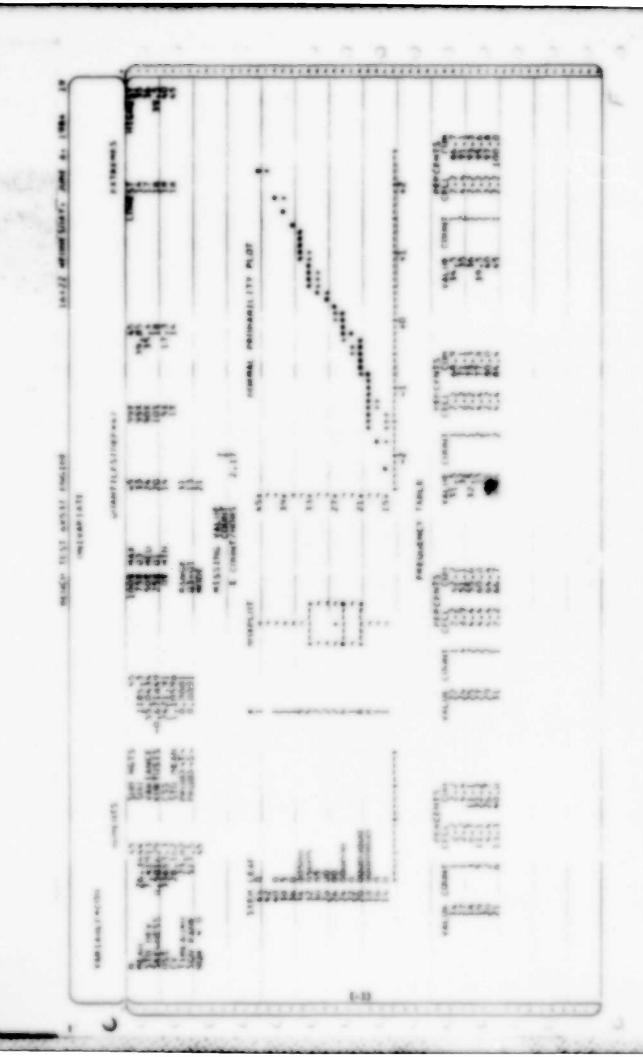
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^{*} These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.

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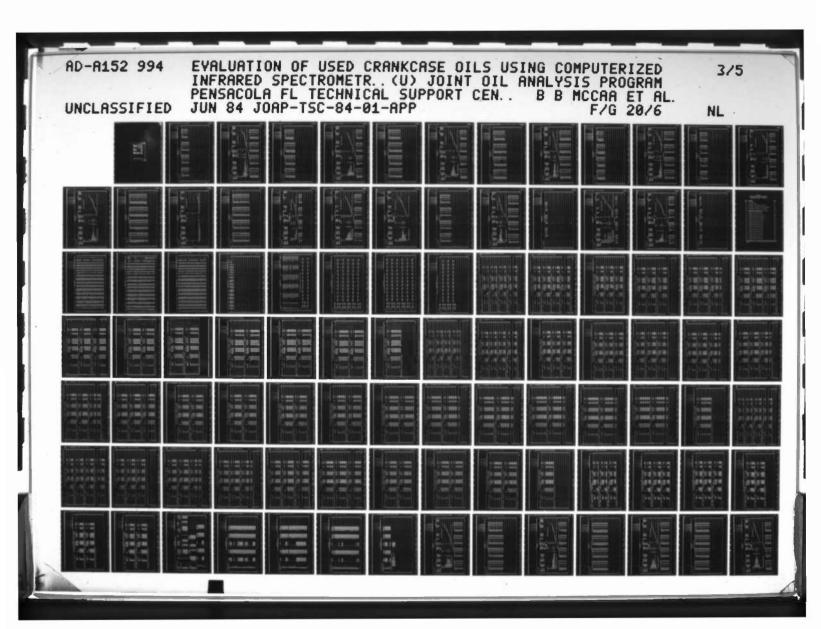
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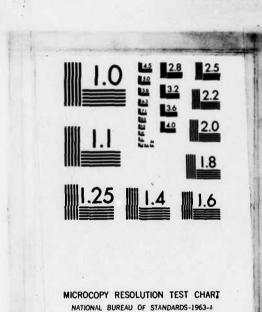
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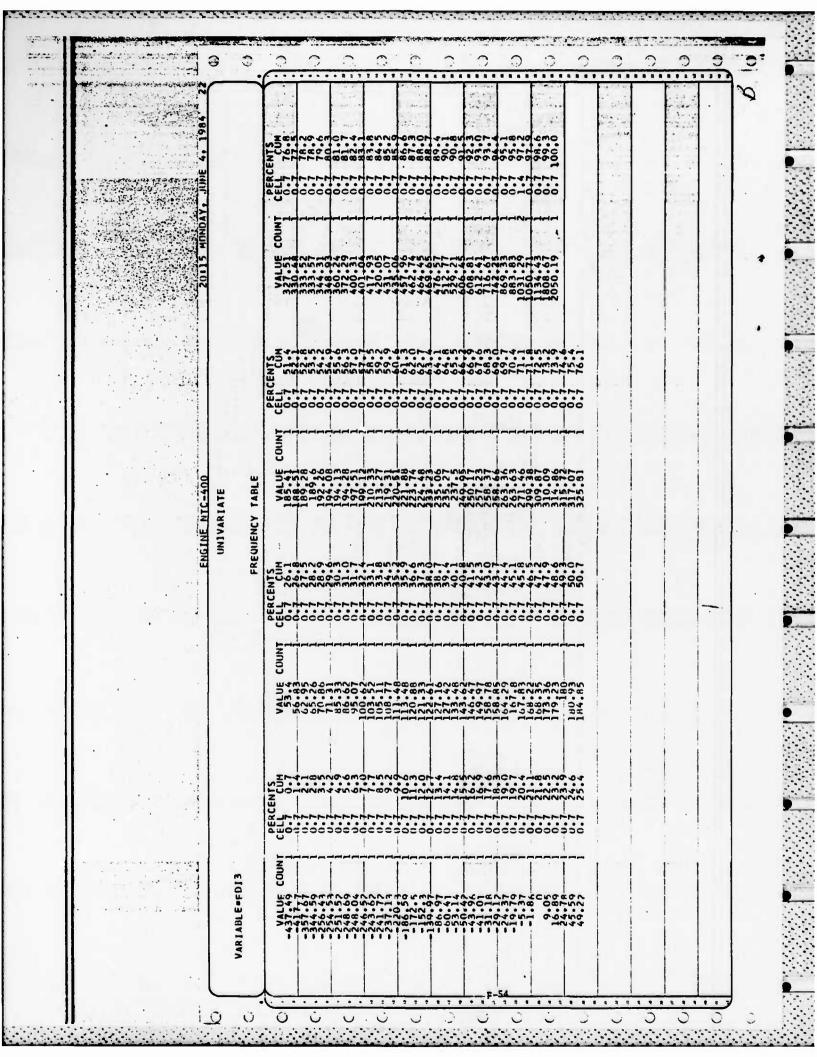
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APPENDIX G DETROIT DIESEL ALLISON 8V-71T ENGINE 1ST BATTALION OF THE 29TH FIELD ARTILLERY 4TH INFANTRY DIVISION, FT. CARSON CO.

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^{*} These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.

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175	705,17771429	1070,82048402	123406.1000000	-1257,39000000	6063.97000000
175	78.96834286	129,49281351	13819,4600000	-272.40000000	366,49000000
175	274.26114286	270,56652817	47995,7000000	-887.60000000	908,2000000
175	938.51554286	788.82771296	164240.2200000	-2795.10000000	2954.09000000
175	0.52794286	2,88991156	92.3900000	-5.46000000	12.28000000
175	1.90862857	2.87223998	334.0100000	C	10.3600000
175	227.09874286	278,05985462	39742,2800000	-1049.29000000	1486.9600000
175	-0.57188571	0.77765592	-100.0800000	-2.09000000	3.4700000
173	53,58959538	100,56982595	9271,0000000	0	1235.00000000
177	133,66101695	104,56135816	23658.0000000	4.00000000	959.00000000
175	156.6400000	33,80916015	27412,0000000	53,00000000	231,00000000
177	2.45790960	0.44490631	435.0500000	1.47000000	4.2900000
17.1	3.86892655	2,61168604	684.8000000	0.4000000	12.00000000
139	6.54964029	2,35972776	910.4000000	2.50000000	16.1000000
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FE													
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33.674	MEAN SOUARE 91 20, 70296061 960, 68138908	TYPE 11 SS	6476-90116855 7629-25666937 7098-44894232 22628-11634115		C(P) = 30.61583786 MEAN SQUARE	8127.59733442 941.66855908	TYPE 11 SS	1175-659-67-75-75-75-75-75-75-75-75-75-75-75-75-75	29.17.82	MEAN SQUARE	937.64745338	TYPE 11 SS	7464.83462997 11643.21152266 11643.5115226 126818.26359902 4948.18922944	ر د ۲	4.4346135	TYPE 11 SS		11756-34498663 1736-94604915 25661-29117549 5056-82986828	
8247990	36482-81184245 162355-49275525 198838-3645477	TO ERR	0.33120606 0.00929539 0.00204653 0.00007396		= 0.20437705 SUM OF SQUARES	47637.98667208 158200.31792562 198838.30459770	STD FRADE	0 - 32R06662 0 - 01 16R05 0 - 00202 616 0 - 00009 720	7452	IN OF S	41313.53242505 157524.77216865 198838.30459770	TO ER	0.34075565 0.01125565 0.00009756 0.00009700 0.00074264	= 0.20832089	22-1730678 16-1315258	199838, 3C45977C	.34028	0.00675623 0.000075623 0.00007304 0.00003593	() -1
	160	R VALUE	164,27375267 -0,8569878 0,05615502 0,0556845 0,0097586	TABLE MODI	_	5 173	B VALUE	0.0412(330 0.00557965	P SOUARE		168 173	A VALUE	163, 8496,2844 -3, 94146488 7, 9366658 0, 000 51875 -0, 00170502	F SQUARE	16 A	172 R VALUE	165, 885, 5577	0.01952176 0.01952064 0.0003522 -0.0008347	JABLE MODE
CIN4 REPLYED NY (11)	PFGPFCSIFN CSROP CTT4		INTERCEPT (L1) nET3 (L1)	F MONEL 15 THE REST 4 VAR	VAPTABLE C202 ENTERED	SEGPESSION FROMO TOTAL	100 C	~-£	CLII REPLACED BY C122		PEGBESSION FRAME TOTAL		INTERCEPT (1) (1) (1) 77 (1) 77 (2) 72	C202 REPLICED BY C204	FPRADO	TOTAL	INTEREBOT	05429 06429	MODEL 15
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DEPENDENT VARIABLE VIS C(P) = 30.77614354	MEAN SOURRE 7024-82911857 936,25946040	TYPE II SS	7566.09825519 12463-32938805 1419-31123892 1766.62142905 726.46264351	C(P) = 30.49180613 MFAN SOUARE	7063.75138316 936.86105568	TYPE II SS	11301-29121729 11301-29121729 1930-59121729 1934-59131616 1345-40122329	C(P) = 29.91299715 HEAN SOURPE	7142.98315569	TYPE	12556 30101 50 8806 14246927 12860 88739937 1820 79185847 6458 68063513	
RE IMPROVEMENT FOR = 0.21197613	42148-9747114C 156669-32968630	STD 6	000000000000000000000000000000000000000	= 0.21315062 SIJM OF SQUARES	42 382 5082 9 697 156 455 7962 9 873 198 838 3045 977 0	STD ERROR	0.34063705 0.01396446 0.000104889 0.00010482 0.0003769	= 0.21554146 SIM OF SOUARES	42.857.8889341.5 155.980.40566355 198.838.30459770	TO EP40	0.000 0.000	
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VARIABLE COOP ENTEPEN	FCFFS10W		11,1 EPG FPT (CL2)	C204 REPLICED BY C203	FFGFSSION FPPOR TOTAL		0.513 0.513 0.713 0.713 0.713 0.713	TZOZ PSPĘSCTOTBY PET33	FRRON FARON TOTAL	Inter (Ept	DET3 (1.25 (1.25 (1.27) (1.12) (1.12)	day a Tana hist at 1900.
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55.857 - 79.694274 142.990 - 50765496	R3M.3N45977 STO ERRO		0.00378 0.00314611 0.00009447 0.00004442		= 0.28705911	SIJH OF SQUARES	57 078 34703334 141 759 95756437 198 38 30459770	TO EP	1917202	0138345 0449852 0000968	0.00004583 0.00000187 0.00188881 0.00035446	= 0.29285847 C	10 M	58231 • 48127294 147606 • R2332476 198838 • 30459770	TO EP	3.6520676	6.45404192 0.02099935 0.01409283 0.0469283	0,00004992 0,002174 0,002184974 0,00001792	131
110	A VALUE	148.377967356 -5.76804797 9.44224149 0.0077.6115	0.0034345 0.00034345	-0.00000000000000000000000000000000000	RIARLE MODEL FOUND.		11	B VALIE	3511CB 592511 790613	057874 057874	0, 00000000000000000000000000000000000	R SOUTAPE	ΩF	111	R VALUE	153,5930,5340	15, 685°6763 0,02617516 0,02614817 -0,0334515	0.0601 F465 0.0070588 0.00705886 -0.0070584	ARTARLE MEDEL FOUND.
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1 MPI NV	50 018, 8291 0580 1 29 709, 4654 0190 1 98 838, 30455	STDF	6654370 4764529 0221003	0141600 0455917 0002391 0000502	0.00216303 0.00316303 0.0038933 0.00004245	3229	SUM DE SQUARES	59797,09936435 149041,70523135 199838,30459770	STN FROR	34669	0.0024589 0.0024589 0.0023570 0.0023570	00000	0000	= 0.30865314	SIJM TIF SOUTHES	61372.06712549 137466.23747221 194834.36454770		6446 60246 60463 60463	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000
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15:32 MONOAY, APRIL 25, 1983	F PROB>F		5-36 00-174-7 5-36 00-0153-7 1-56 00-0053-7 5-18 00-027-3 3-13 00-027-3 1-51 00-05-7 1-51 00-05-7			70mm4 70m4 70m	1.15 2.28 0.00111 4.43 0.0006 4.00 0.00447 5.38 0.0061	
V S I S S V S T E M DEPENDENT VAFTABLE V IS	.(P) = 22.28292387 MEAN SQUARE 4447.55305864 858.94604803	5278, 23424633 4578, 72710043 1324, 29418107 893, 34539544	1596, 646, 162, 1596, 162, 162, 162, 162, 162, 163, 164, 184, 184, 184, 184, 184, 184, 184, 18	C(P) = 21.96975842 HEAN SOUARE 4465,93526906	TYPE 11 SS	4522.38519318 3910.00491598 1581.00491599 3525.2826789 2045.56703801	2541-276411563 9541-276711563 20529-7933462 20529-7633462 5027-2468674 3509-27548716 4324-56585978	
1 C A L A N A L PF IMPPOVEMENT FOR	* 0. 31314H33 SIM OF SOUARES 6/265,8H296094 136,572,42163676 194,838,30459776	46622 46538 00272 00572	0.000034144 0.000034144 0.00000344 0.00000034 0.000000034 0.0000000000	44190 DF SOUARES	838.3C45	7 * 46720 94 5 4 * 2722 9 3 4 0 * 0 1 2 8 2 3 3 4 0 * 0 1 3 8 1 6 4 8 0 * 0 4 4 8 7 2 9 8	0.0000559 0.0000559 0.0000559 0.0000559 0.0000559	
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n 122	0.00042320	0.00025058	2443-28060542	2.85	0.0932
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	0.00016512	0.00402568	4035.98117637	5.81	0.0171
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DEPENDENT VARIABLE VIS	4369.24656283 794,46467727	TYPE 11 SS	10242,96264703	6598.7307973 6598.73079773 698.24561.33	12860-38567256 13354-48385051 5357-38539745 5452-02385460	7299-2014117 2058-11667287 6311-91543987 487-24140952	1567-52684430 10928-16326391	CIP1 = 12.46942918	MFAN SOUAPE	4407-37533454 794-31361481	TYPE II SS	911.7374	8340 09649085 334 13506193 10442 32558042	640-1230	278-717	5700	734. 7964	3000
PE IMPROVEMENT FOR W 0. 37355575	74277 19156 603 124561 11302967	STO FRECR	3.80572653	0.0155657	20000000000000000000000000000000000000	0.00010172	0.00002412	= 0.376a1 x63	SHIM LIF SOUNARES	74925-38068715 123912-92391955 194834-30459770	STO ENROR	9641326	6.95463468 0.05463468 0.05463468	0445018 0445018	1500000	0023FEB	00000	202000
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	MAY1411P R-SOI	APP 1 MPROVEMENT FOR	R DEPENDENT VARIABLE VIS				
NETZ REPLACTO NY C101	F SOULAPE	€ 0.37693670	C(Pl = 12.84011802				
	411	SUM UP SUUARES	MEAN SOUAFE		PRUB>F	-	
FEGRESSION FKPOR FORM	156	123 888. 84990791 191838. 30459770	4408, 79145234	5,55	0,0001		
	R VALUE	STO FPROR	TYPE 11 SS		PROB>F		
TWTEPGEPT (L) (L) (L) (T)	-135.14504647 -13.19414173 -2.46164922 0.02496383	3.98118252 6.97180050 0.00669448	8722-59114995 8243-29729541 11043-23748956	10.98	0.0011		
11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.10772007 0.00025548 0.0003648	0.04.902.308	4987 42211455 3834-42074377 1814-78259694 12167-03273969		0.000 0.1326 0.1326		
1126 1101 1103 1203	0.00000149 0.00504149 0.00570123	0.00006178	6335 91815005 358 20906457 4199 2842 8637 5985 31523757	-027 2408 2408	0000 00000 00000 00000		
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es REPLECENTRY DETT	E SQUEE	= 0.37834853	C(P) = 12,49832168				
	υĘ	SIIM OF SOUARES	MEAN SOUAPE	u.	PROBSF		
FERPESSION TOTAL	17	123 604, 12382 301 198828, 3045 9770	4425-30475145 792,35976810	9.58	1000*0		
	F VALUE	STO ERROR	TYPE 11 SS	1	PRUBSE		
1.TERCEPT (L.)	129.46.56989	4.06501851		11.80	0,0008		
14:0	73,91746806 0,00694276 0,02647465	0.00870738 0.00870738 0.00688150		15003	0000		
6	7, 17, 15 GT 12 7, 000 2 59 84 3, 000 400 98	0.000101748		22.24	0.1368		
75855	0.00000733 -1.70007713 -0.01166015	0.00000068 0.000007347 0.00237351 0.00000000000000000000000000000000000	5034 01989683 9007 019961886 39017 894561885 5686 540538857 5087 3585082	744-1 440-4 40-4 40-4 40-4 40-4 40-4 40-4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
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	I C A L A N A L	0. 381 89539 C	5UM UF SQUARES 75935.43137488 122902.87322282 99833.3045977		4-15538368 7-27265230 0-01344249	0.00694195 0.01784610 0.05229020 0.00000004	0.00008399 0.00008399	0 • 00242 320 0 • 00440485 0 • 00005628	0.00000530 0.00004172 0.00002728		The state of the s			designs the same party and the s		•
	STATEST ST ST WAXIMIM R-SOUAR	F SOUAPF =	118 155 175	A VALUE	12# 91404801 -14.76914011 25.12.009687 0.01658873	0.0505 5611 0.0505 5611 -0.13132904 0.00000004	0.000.0832 0.000.0689 0.000.0689	0.012784 -0.01264427 0.00007899 -0.00001650		VARIABLE MODFL FOUND.						
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		WOL STATE	u.	STIM THE STITTARES	MFAN SQUARE		PRUBSE	
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Notice N		F.COFSSION FELOP	173	5UM (1F SQUARES 9.6199549C 24.57762435 44.1975H25	MEAN SOUARE 4.80997845 0.14206719	1 6		. e -i u.
PFGLACT RY (1)			•	STD ERROR		L	PROBSF	
PFPLAICED RY (11 F SQUARE = 0.28534953 CIP1 = 28.88846567 F PROBYF	PERPENSION 17 24,4793149 4,199139 34,54 0,0001	60 (J C) 53 11 5	2.01973761 0.01075126 0.00000378	0.00000109	4.50780321	31.73	0.000	ė.
PEGRESSION 173 24,4798143 4,87913191 34,54 0,0001 PEGRESSION 173 24,4798143 4,87913191 34,54 0,0001 PATER 173 24,4798143 24,47931319 34,54 0,0001 PATER 1,000787478 0,0001018 2,64611014 14,59 0,0001 PEGRESSION 173 10,5147704 C(P) = 24,73034281 F PROBYF PEGRESSION 173 2,5464132 3,5049493 25,46 0,0001 PEGRESSION 173 2,6464132 3,5049493 25,46 0,0001 PEGRESSION 173 2,6464133 2,644473 2,0001 PEGRESSION 174 174 174 174 175 16,0001 PEGRESSION 175 10,00000000 1,600000000 1,600000000 1,600000000 PEGRESSION 175 1,600000000 1,600000000 1,600000000 PEGRESSION 1,74 1,600000000 1,600000000 1,600000000 1,600000000 1,6000000000000000000000000000000000000	PERPENSION 173 20,75826182 0,17821713 34,554 0,0001	-	F SQUARE	0.5				
PARTICIPATE PARTICIPATE	HYTOTED	PEGPESSION FERDE TOTAL	173	9-75826382 24-43931743 34-19758125	4.87913191 0.14126773	34.54	0.0001	
			B VALUE	STN ERROR		L	PR 08 > F	
PEGRESSION	The Nest Variable Contable Carlon Carl	60(0)	0.0370C629 0.0000404	0.0000101	2.03331176	32.89	0.0001	
172 174 10.51497095 3.50499032 25.46 0.0001 172 23.68261636 0.13768959 25.46 0.0001 172 23.68261636 0.13768959 25.46 0.0001 1.2768959 1.26896932 25.46 0.0001 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.2768959 1.27689659 1.27689659 1.276896932 1.2768969693	PEGRESSION 3 10.51497 395 3.50499032 25.46 0.0001 1.75	THE REST ?		= 0.30747704	н			
174 4 VALUE 54.08758135 0.13768959 R VALUE 5TD ERROR TYPE 11 SS F PROBSE 0.01754.6711 0.01754.6711 0.01754.6713 0.00012 0.00012 0.00000075 0.75670713 5.50 0.0202		PEGRESSION	3	10.51497095	3.50499032	25.46	PROBSF 0.0001	
0.0154731 0.0000101 552 3.06743479 28.81 0.00106354 0.00000107 1.50349524 10.92 0.0000032 0.75670713 5.50		lk LC1	-	STD ERROR	TYPE II SS		PR OR> F	
73 0,000 c075 0,000 c032 0,75670713 5,50	15 745 1573 0,000 CO75 0,000 CO75 0,000 CO32 0,75670713 5,50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00000354 0.00000354	3.00101 852	3.06743479 1.50349524	28.81 10.92	0.0001	
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~	MEAN SQUARE 2. 72265889 0.13606401	TYPE 11 SS	1.33739067 0.41566463 0.68539473 0.8208114	C(P) = 20.85318954	MEAN SOUARE	2 80928817	TYPE II SS	2.14439291 1.12659823 0.89838255 2.17007209		MEAN SQUARE	7. F1 R31 455 0. 1340 60 47	TYPE II SS	2.31 784619 1.19591276 1.051 79818 2.2061 7759	64761009 01 - 1013	MEAN SOUARE	:1378487	TYPE 11 SS	2.13066050 0.88605184 0.98605184	1.50167839	
3182	10. 93062558 23. 26694567	STD EPADR	0.00376626 0.00007568 0.00000118 0.000007332	- 1		11.23715267 22.96042858 34.19758125	STO FRRIA	0.00405168 0.00016151 0.00001615	5962	SIJM OF SOUARES	11 - 27325818 22 - 92432307 34 - 1975812 5	STD ERROR	0.00405457 0.00016504 0.00008121 0.0000832	# O 3430208	M OF SO	7612417 4363395 1975812	STO ERRCR	0.000403710	0.00000342	
r SQUAFF	41 17 1	A VALUE	1.85728616 -0.0018778 -0.00018777 -0.00018777 -0.00018778	R SQUARE	ŊF	171	A VALUE	1. A11 £ 12 92 2. 0.16 £ 5 £ 8 -0. 6.004 £ 7 £ 6 -1. 717 2 € 9 ± 7 0. 0000 € 7 £ 6		DF	171	R VALUE	1.80015650 0.01686085 -0.000745492 -0.00072746	8	1	170	A VALUE	1.7892 5257 0.31622090 -3.1342691 -6.30032087	7-107077 54 2-1070761	VERTERLE WITHEL FRIDHING
VAPTARLE CLES SHIBEFO	REGRESSION Exemp		11 to 150	DET24 REPLYCEN AV NETA		PFGRESSION FORTH TOTAL		INTERCEPT 07.13 07.13 CIN3	CIDS REPLACE T BY CZDS		F-GPLSSTON F-ROE TOTAL		11 FECEPT (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	MODEL 15 7		FTGRESSION FORM TOTAL		Interactor of the control of the con	0f T23	15 THE REST A VE
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1 25. 1983			•						o ,						
15:32 MONDAY, APRIL	0.0001	PR 06 > F	000000000000000000000000000000000000000	0000	PR08>F	0.0001	PRORSE	0000	2000		PROBSE	0.0001	PROBYF	000	000000000000000000000000000000000000000
76.64	15.96	L	10001	69° 9 66° 9		16.39	L	12-8-5 12-8-5 19-85 19-85				14.34	u.	23.21 12.56 3.31	10.35 7.97
DEPENDENT VARIABLE TAN	2.06116872 0.12917496	TYPE 11 SS	2.60738191 1.30227309 1.17566772	0. 90315426 0. 60577063	C(P) = 13.93143589. MEAN SQJARE	2.09653540 0.12791934	TYPE II SS	3 1911 4649	7,792,6931,7	C(P) = 14,22194740	MEAN SOUARE	1.R2703908 0.12743040	TYPE 11 SS	2.95806520 1.60096601 0.4226119	1.18369359 0.21906411 1.31865585 1.01502453
# 1	21.36701235 21.36701235 21.3656970	STD ERROR	0.00414522	0.0000000000000000000000000000000000000	= 0. 36783924 SUM OF SQUARES	12.57921242 21.61836983 34.19758125	STO ERROR	0.00025234	0.00000024	= 0.373981A2	STIM OF SOUTHES	12.78927353 21.40830772 34.19758125	STD EFFOR	0.00422679	0.00007587 0.00000423 0.00000135 0.00000027
MAXINUP B-SOUAPF #	169	A VALUE	1.73721931 0.01867349 -0.00056931 -0.00724263	0.0000000 0.00000000 0.00000000	F SQUAPE =	6 175 175	R VALUE	0.0010(837 -0.00106725 0.00112661 -0.00023724	-0. 6000003	E VERTARLE MINET THINNS.	- JUE	168	A VALUE	1.67741702 0.02746471 -0.30085560	-0, 117724144 1, 1007543 1, 10025677
VARIABLE PET74 ENTEFED	FEFOR		14768CEPT (11 (673 (122	7c 13d be 13d	CONS REPLACED BY DET4	FUCEUSSION FUCEUSSION FUCEUS	TOSJERCE	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	pc 7.24	VARIABLE COUR ENTERED		FEGRESSION FORTH		19750 FEPT 1975 1974 197	7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
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RY C2F4	STATTST MAXIMILM R-SQUA P SQUAPE	1 C A L A A A L RE IMPROVEMENT FOR = 0.37482571 SUM OF SQUARES	YSISSYSTEM DEPENDENT VARIABLE TAN C(P) = 13.98709054 HEAN SQUARE	15:32	MONDAY, APRIL 2.	5, 1983
Pr GAF SSION Fr FOR Thrai	169	«m	mail	14.39	0.0001	
	A VALUE	STD ERROR	TYPE II SS		PROB>F	
HIERCEPT FF 9 FF 3	1.78735761 0.03665308 -0.00138512 0.00025663	0.00397647	2.25525701 1.66635842 0.86797597	4mac	0.000	
	0,000 2007 50 17 50 50 50 50 50 50 50 50 50 50 50 50 50	0.00004 0.00001004 0.00000170 0.00000135	1 • 48136356 1 • 04384369 1 • 04384363 0 • 47049723	11 - 64 14 - 11 8 - 20 3 - 70	0.0002 0.0047 0.0562	
BY C103	R SOUARE		C(P) = 13.59054543		•	
	DF	STIM THE SOUNARES	MEAN SOUJARE	-	PRORSE	
R GRESSION Erenb	16.R	12.8668559C 21.33072135 34.19758125	1.83812284	14.48	0.0001	
	R VALUE	8	TYPE II SS	u	PR 08>F	
TEPCEPT 13 14	1.831 6524 0.31466273 0.00142082 0.00022939	0035757	1.72694658	070	0.0003	
	-0.00002271 -0.00002271 -0.000006346	0.00007536 0.00000596 0.00000180 0.0000034	1 08934374 1 84409496 1 12885253 0 45343317	14.52 18.89 3.57	0.0033 0.0033 0.0033	
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		SIJM OF SQUARES	PF AN SQUARE	1	PROBSE	
Frans Frans Trivit	168	13.06379323	1.86625618 0.12579636	14.84	0.0001	
	P VALUE	STO ERRCR	TYPE 11 SS	u.	PROBYF	
r PriEPT	1.742 C488 0.02 AP 5565 -1.301 56275 0.0002 6455	0.00737E63 0.00038E60 0.00008253	1.92387991 2.05557423 1.29266336	15.29	0.0001 0.0001 0.0016	
	-0.00000000000000000000000000000000000	0.0000F51F 0.00000F51F 0.00000175 0.00000334	1.50%442UJ 2.50%442UJ 1.60%9318 1.60%254J	13.519 3.55	0.0001 0.0001 0.0503	

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MEAN SHIJARE	0.12544943	TYPE 11 SS		1 - 56834721 0 - 51870978 2 - 56310947 1 - 97253917		MEAN SQUARE	1-65736121	TYPE II SS			0.43482716 2.02710055 2.0699463	11.808	AN SOUAR	0.12494622	TYPE II SS	2.49269738 0.38081393 1.5904597	1.84257116 0.93870162 2.32934574	2,7159138)		
STATUE SCHIARES	13-12-207761	TO EF RO	€ V.®	0.000008314 0.00000460 0.00000684 0.00000180		SIM OF SQUARES	13.25888565 20.93869156 34.19758125	STD ERROR	0.00750361	0.00041264 0.00008991 0.00008691	0.0001000	m :	SOUARE	13-1417627 (20-86601668 34-19758125	STD EPROR.	7.000654484 0.00067421 0.00061552	00000	9,000003200		
) KR	3 VALINE	7541799 0015761 0015751	0.0000034 0.0000034 0.0000034	E MCDEL FOUND.		167 175	H VAL	132539	301423 000734 000334	7,00302452 -0,30300738	P SQUARE	nF	167	R VALUE	1.00.00 1.0	-1, 330) (1 93 3, 300 6 5) 23 0, 000 6 77	-1, 1910(947	-	1
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12.14	u	46.0	14-74 3-26 0-75 21-40		u.	12.28	,	10.24	10.52 10.52 12.92 1.53		F 12.28	u	20.25 20.15 13.39 10.91 2.75	10.53 2.92 1.53			
1.50826938	TYPE 11 SS	537056	1.83085327 0.40452977 0.06373757 2.6F901031	181374	CIPI = 11.05014927 MEAN SQUARE	0.12366427	-	2 50260231 2 49097000 1 56516494 1 34662445 0 33927592		;	1-51-885939 0-12-16173	YPE 11	2. 50472334 2. 49212934 1. 65644151 1. 34862293 0. 33969866 1. 39458723	1.30201066 0.36101946 0.18872603			
13.57442436	STD ER90	00051871	0.0000000 0.00000640 0.00000640	0000000	S'IM OF SQUARES	13.669311/8 20.52826947 34.19758125.	TO ERMI	0.00517303 0.00043144 0.00008178 0.00004204	00000013 00000013	1972811	13.66973453	1975H1 STD ERR	0.0051652 0.0008772 0.00008772 0.0000000 0.0000000	0.00000132 0.0000147 0.0000130			
166	B VELII	0.0014 0.0014 0.0019	745 TUBE 0000 CC55 765 0000	0000000	F SQUAPE	166 175	5	0.000 12 12 0 0.00 12 2 12 3 0.00 13 8 73 0.00 00 00 0	2420	R SQUARE	nr 9		1. K29×21 34 0.023 25406 0.023 25575 0.003 221 65 0.000 23 80 0.000 000 0.000 000	-0.00006430 0.00006251 -0.00066337	14ALF MC		
FOR OB STON		14 for EPT 15 fo	-556	EN I	CTD2 REPLYCES NY DET24	FRADA FRADA TOTAL	TATERCEPT		(1103 (1104 (FT 724	CIPI REPLACED BY DETLI	F GRESSION	le u	14) Prepr 0(1) 0(1) 11) 11) 0(1)	(154 08 13 04 134	MOFE IS THE REST O VAR		``
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DEPENDENT VAFIABLE TAN CIPI = 11.34294341	HEAN SQUARE	1.38403212 0.12313491	TYPE 11 SS	10057	1.05527573 0.23322185 1.0966238 1.01373073	21058 45931 26582	.164	MFAN SONIARE 1,40251658 0,12225706	TYPE 11 SS	2.30570103 0.31645 1.81692765 1.8478082	1	0.30847598	10.121		22	11 33	0.40914534 0.40914534 1.9005646 1.55394941	1 05836336 1 17178227 1 13670074 0 6 6081411	• • • •		
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OF PENDENT VAFJARLE TAN	MEAN SOURFE	1.28431733	TYPE 11 55	1934202 2535185	5377100 1272793 2425404 2317468	0.09703RIO 0.68232055 0.68541605 0.46541605	T(p) = 12.65478581	MEAN SQUARE	0.12261927	TYPE II SS	85760	24787 263331 26331	0.97314526 1.05627538 0.1755842 0.40126442	73896 73896 46553	C(P) = 12-12675734 MEAN SQUARE	a c	TYPE 11 SS	2.10231294 0.32901311 1.12550670 0.9499358	5595 5693 3232 7621	2630 8878
## TMP##VEMENT FOP = 3.41311374	SITIN TIF SQUARES	14.12740060	TO F	0049469 0000818 0004516	000001777 00000000000000000000000000000	0 - 000000022 0 - 0000000000000000000000	0.41554520	SUM OF SOUARES	14.21064065 19.98694056 34.19758125	STO EPROR	11500	00000	coc	000	SIN OF SQUARES	2755 92205 19758	~	0.0004 0.00004 0.000034 0.00004 0.00000000	0.00000193	0.00000144
MAXINIM E-SOURE		111	A VALUE	0,02094347 0,02094347 0,0311782 0,031191886	10.00002457 0.00002457	-1, nggggggg. -0, ngggggggg. -0, nggggggg	LARLE "ONT L FOUND.	90	163	R VACUE	1.61872802 3.01985757	00016 F787 0 00031 802 0 00031 802	12550F00.0- 5150000.0- 020000.0- 75000000.0-	1,000000174 0,000000373 - 1,000000059	9 30	57. 27. 27.	A VALIIE	1.6566+854 0.01805814 0.01813614 0.00181677 0.00181677	0.0000054 -0.00000054 -0.0000054	7,000,00,00,00,00,00,00,00,00,00,00,00,0
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	S 1 S EPENDE (P) *	HEAN SUIAFE 1-19530712 0-12160304				0.36387385 0.79478889 0.30055090 1.25625695		C(P) = 13.06795160	MEAN SQUARE	1-10812539	TYPE 11 SS	33905 33905 33905 365 365 365 365 365 365 365 365 365 36	06194 18151 52649 49506	0 - 28605103 0 - 60565103 0 - 178565109 0 - 81032223	21123
	1 C A L A A A L E IMPROVEMENT FOR 0.41943567	SUM UP SOURRES 14.34368545 19.8538958C 34.1975H125	STD FRADR	0.00432637 0.00008307 0.00042835	0.0000000000000000000000000000000000000	0.00000051 0.00000001 0.00000005	0.0000030	2124705	SUM OF SOUARES	19.40563010 19.79195115 34.19758125	STD FPROR	000546	000000000000000000000000000000000000000	0.0000011 0.00000011 0.0000005	0000
	NAXIMIJW R-SOUAPE =	12 163 174	A VALUE	0.00012537 0.00012916 -0.00134166	0.00007414 0.00001419 0.00001419	-7.0300c0- -0.30000027 C.C000009 0.00000476	VARIARLE MODEL FOINO.	P SOUARF =	DF	13 162 175	8 VALUE	1. 58422471 0.077155926 0.00013460 -0.00154609	-0.00018946 -0.00018946 -0.00001859	-1. hajrags -C. ccaacas 3. hanecas 9. 0000c425	-03-C0054
	C204 REPLATED NY C104	FFGPT SSION FFROT TOTAL	Lad Jedin.	(FT) PFT1	400 E	1177 1173 11714 11717	MODEL IS THE REST 12	VAPIABLE CLII ENTFRED		CEGOFSSICH EFONE TOTAL	• • • •	147776697 1171 1171 1173	1.5.	\$ C. I. J. U. J. L. J. U. L. L. L. U. L. L. L. U. L. L. L. L. L. L. L. L. L. L. L. L. L.	n: 74
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	لاك	SIN THE STUDBES	MEAN SOURKE		PROBYE
FEGRESSION SPROP TRTAI	161	14.66703874	1.04764562	9.64	0.0001
	R VALUE	STO FPROR	TYPE II SS		PROBYF
1	1. 5948 6500 0.018 3 553 5 0.000 200 6	.0.00438556		17.40	0000
21 D	0.00022419 0.00002419 0.0000034	0.00011205		20.00 20.00 20.00	0000
	-0.00000266 -0.00000266 -0.00000036	0.00000104	0.05950821 0.79954789 0.45077 1.11293543	0040	
\$C + 10	7.00000000 7.0000037 ~5.00000109	0.00000181 0.000000181		2 2 2 3 3 5 2 3 3 3 3 3 3 3 3 3 3 3 3 3	
14 CIN3 REPLICED BY DET34	F SQUIARE	= 0.4302340R	C(P) = 12.56573215		
	D.F.	SIJM OF SQUARES	MEAN SOURKE	3	PROBSE
17 0 F S S 10 to 10 to 2 to 2 to 10	14 175	14.71310161 19.4847564 34.19758125	1.05393883	8.68	0,0001
	A VALUE	O ERRO	TYPE 11 SS	u	PROB>F
THESCEPT	1.561 97597				
	0.000 F F 0.000 F C 0.000	0.00040	0.6476336 0.6476336 1.1485336 0.64574839	2000 2000 2000	00000000000000000000000000000000000000
15779 15779 15779 15779	0.000.0178 0.000.0178			nem.	0000 0000 0000 0000 0000
10112	- C. CONOFOTA	00000		13.23	0.004
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26770 26770	-0.000000- -0.000000-	00000		3.0	0.3517

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STEP 15 VAPLANCE CONG ENTERED	F SOUAPF	= 0.43128175 C	C(P1 = 14.27527540			
	36	SUM THE SOURKES	MEAN SQUARE		PKOBYF	
SERRESSION FRRDE TOTAL	155	14.74879275	0.12155493	8.09	0.0001	
	P VALUE	STD FRAN	TYPE II SS	·	PROB>F	
147 FP CEPT (1)	C. 02 00 £460 0. 00 00 1392 -0. 00 11 5442	0.00510685	1.88015288 0.68419263 1.2032363		000000000000000000000000000000000000000	
77.7 17.33 17.43 17.63	0.000.01 AG	0.00011538 0.00011338 0.00010338	0.50778489 0.5741619 0.5073106 0.29396422		0.0312 0.0427 0.0427 0.1238	
ヒニトト	-0. 7.3537 + 5.0 0. 0000 C464 -0. 0000 0378 -0. 0000 046	0 00000 00 0 00000000 0 00000000000000	0.17721516 0.03569118 0.4814898 1.63551954		0.00 0.00 0.00 0.00 0.00 0.00	
17 70 17 70 17 70 17 70 17 70	7.0000011 0.0000015 -0.0000000000-	0.0000000 0.00000198 0.00000052	0.471 #24 #4 0.1422477 0.28289984 0.13852421	2000 2000 2000 2000 2000	0.2793 0.2793 0.1291 0.2873	
AROVE MODEL 15 THE REST 15 V	15 VARTABLE WODEL FOUND. PFD PSOUTARE	= 0.437	(P) = 15.4656UH02			
	ŊĒ	S'IM OF SQUARES	MEAN SQUARE	u.	PROB>F	
FIRE SSION FIRE STORY] 6 50 76	14.19913252 19.39844873 34.19758125	0.12200282	1.58	1,000.0	
No. of the Control of	H VALTIE	STD FRRIN	TYPE 11 55	1	PKUB>F	
PITERCEPT	1. 5.6023996	0051154	-	•	0.0001	
	- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	0000907 00036FL 0001200 0001137			0-0228 0-0495 0-0495	
44.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.	13.000 FT # 10.00 FT #	00000000000000000000000000000000000000			0.2609 0.3500 0.5216	
51136 61130 61130	-0.00001089 -0.000001040 -0.000000000000000000000000000000000	0.000001298 0.00000035 0.00000013	0.08598415 0.49439342 1.47381104 0.51208002	13.72	00000000000000000000000000000000000000	
201-11 201-11	0.000 C07 40-	0000005 0000005 00000000			0.2685 0.1301 0.2960	

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	E SOUMPE =	= 0, 43306731	C(P) = 17.77974273			
	-0-	SUM THE SQUARES	MFBN SQUAPE	-	PRUBSE	
FORM FORM	17	14.80968360 19.38789765 34.19758125	0.87115786	7.10	0.0001	4 %
	8 VALUF	STD ERROR	TYPE 11 SS	ů.	PROBYE	
147597897 (1.1) (1.1) (1.1)	C. 02082982 0.00021213	00000917		400	0.0006	. :-
10 10 10 10 10 10 10 10 10 10 10 10 10 1	-0.00024288	00000631		1000	0.0478 0.1697 0.1697 0.1698	
2000 2000 2000 2000	-0.00000869 -0.00011584 -0.00011589	0.00001419	0.08502659 0.16586334 0.06586334 0.09530685	0000	0.2467 0.2467 0.3463 0.3763	
717 70. 10 717 5 10 717 10	-0.00000048 -0.00000012 -0.00000012	00000000000000000000000000000000000000	7	00-6	0-0480 0-0693 0-0493 15493	
+ + 1	-1, 0000 0075 -7,0000 0026	000000000000000000000000000000000000000		P	0.2792	
CL22 WEDEALTD RY CL2	P SNIAPF =	= 0.43340095	CIP1 = 17.54634752			
	nF	SIM OF SQUARES	MFAN SOUARE	u.	PR 08>F	
FF GPF SSTON FF P P P F T T T T T T T T T T T T T T T	17 159 175	14.83836309 19.35921616 34.19758125	0. 12252670	71.7	Tono.*a	
	JILLA N. D. LILLE	STO FRROR	TYPE II SS		PRUBSE	
THIERCEPT	1. 54466049	0.01515086	79510	65.9	0.0118	
7136	0.00070231 0.00070231 0.00115421 0.0007244	0.00097897	58861 58861 16629	400 800 900 900 900 900 900	0.024	-
11.17 10.17 10.17 10.17	-7.07.7.8846 C. COO.C. 48 J. COO. 1445	0.0000099	49828	7600	00-00-00-00-00-00-00-00-00-00-00-00-00-	
12.04 0.07 0.07 0.07 0.07 0.07 0.07 0.07	-0.0001 6200 -0.0001 6200 -0.000 6001	0.00001366 0.00001366 0.0000000000000000000000000000000000	130551 13073 51767	1004	0.000 0.000 0.000 0.000 0.000 0.000	
\$1.10 \$2.10 \$1.00 \$1.00	0, 0000 COTS 0, 0000 COTS -0, 0000 COTS	0.000000000000000000000000000000000000	5835 1091 15245 1521	0.89 1.83	0.3466 0.3466 0.1777 0.2668	

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	0.0001	PR 08>			0.3939 0.6758 0.1919				PROBS	0000	PR.08> F				0.0501	4	0.300		
	6.70		00W	0014W	0010	Bank	4401		u	6.32	u.				0000		0.56		
	0.12316944	TYPE II SS	6144918 1229255 5356663	.3939121 .280761 .16795761	0.02161552 0.21159631 0.6440021	1037471 6732075 8066931	1802576 0699527	(P) = 21.27705792	MEAN SOUARE	0.78270807 0.12388544	TYPE 11 SS	2632	2886 4331	0420 0420 0179 1635	0.02844728 0.01147465 0.0612251 0.48287307	4273 1027	0.17350341		
	14.85997861	TO CP	0162153 07559181	00005555 00001426 00000548 00000013	0.00001416 0.00001416 0.00000761	0000 0000 0000 0000 0000	000000000000000000000000000000000000000	1) 6368657	UM DE SQUARES	14.87145227 19.37612798 34.19758125	STO FPROR				0.000177177		0.00000059	/	
	127	A VALUE	1.54261191 0.03621869 -0.03585245	0.00132809 0.00316236 0.00316236	0, 1001 2082 0, 0000 C593 -0, 0000 C6997 -1, 000 17600	- 0.00000044	-0. 000000167 -0. 000000167 -0. 00000021	VARIABLE MODEL FOUND.		19 146 175	A VALUE	1.54357581 0.03175473 -0.01837744	0.000 53476 0.000 53476 0.000 5347 0.000 6347	0.00001154 0.00005563 0.00005896 -0.00001223	-0,00003914- 0,00001676 -0,00001676	-0.00000044 0.0000012 0.00001907	-0, 2020:0261		
	MILESTER STER		111000000000000000000000000000000000000	17.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	\$000 \$000 \$000	0.0145 0.01719 0.01718	76130 76130	E DEST 18		FGRESSION TOTAL		TUTERCEPT	7.1.10 7.1.10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	2542 2660 2660 2660	FCT 3(*)	04-724 NE T34		

SOUMPE F PROB>F	3320A2 6.33 0.0001	11 SS . F PROB>F	12518 11.72 12518 4.34 01002 6.57	81629 95661 14-17 95205 19-36	58592 69879 69879 69879 10.99 698 698 698 698 698 698 698 698	76735 08989 09433 094341 6989	58411 3 83263 0 52497 0		3-1 C4-6073 SQUARE F PROBSF	65183 5.98 0.0001	11 SS F PROB>F	10,90	4044 bruii 40,00	00895200 0.007 0.7890 17334154 0.36 0.5399 02096884 0.17 0.5629	#000 0000 0000 0000	0 4 4 7 5 5 0	422080 336496 595400 1.17 0.2807
CHA THE STUIDUES MEAN	14, 84309553 0,783 19,31448572 0,123	TD ERRO	0005816 0 591450009418 0 5914	0001326 00005546 00000140 00000140	000001 FC50 000005 257 000005 257 000005 250 000005 250 000005 250 0000005 250 0000005 250 0000005 250 0000005 250 0000000000	000001 643 000001 643 000001 643 001001 643	0000	•	SIIM OF SQUARES MEAN S	14-89204753 19-30553372 34-19758125	STD ERROR TYPE	1	000054711 000055289 00005204	0.00000141 0.00000141 0.0000000000000000	00000000000000000000000000000000000000	00000061 00000061 000000322	0.0000000000000000000000000000000000000
	Spin 150		LEDI				0.00000013 0.0000013 0.0000013 0.00000013 0.134 0.00000032	PEST 19 VARIABLE MODEL FOUR	PETTI ENTEPED P SOUAK	7.00 20 20 20 20 20 20 20 20 20 20 20 20 2		1 45684176 11		0.000000000000000000000000000000000000		Sa	0. 100-0012 16723 17734 1-1-00060205

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PRUSSE	0.0001	PROB>F	0.0008	0000 20000 20000 20000 20000	0000 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0000	00000 00000 00000 00000 00000		PROB>F	0.0001	PROB>F	0.0015	0000	0000	0000 0000 0000	000	000 6.		
	6.07	u	11.74	26	0-100 0-100	-000 -000 -000 -000	0-0-C		u	6.27	u	10.42		-005 344 444	2000 2000 2000	044 044	0.92		
AN SOUTEP	0.12376040	TYPE 11 SS	400	6.00	0-0	-000	0.66792541 0.11743599 0.21639254 0.21639254	(P) = 19,86274153	3	9.12197793	TYPE 11 SS	1.27100888	0.21316647 0.21316647 0.32143042 0.32143042	0.21359241 0.00284892 0.4225651 0.28546872	0.07954511 0.10598861 0.13534295	0.0855764 0.91963958 0.43422611	0-1116324 0-21463033 0-03525521		
SOUR	14-01471566 19-18286159 34-19742125	STN EFF	0.00708089 0.00015453 0.00054586	0.0000000000000000000000000000000000000	000000000000000000000000000000000000000	0.000304744 0.00009126 0.00001650	0.00000000 0.00000000 0.00000000 0.000000	U	4	15.291.00279 18.90657846 34.19758125	STD ERROR	0.00702591	0.0001837 0.0001837 0.0000000	0.000000000000000000000000000000000000	0.00003442 0.0000194 0.0000303404	0.000000000000000000000000000000000000	0.00000221 0.0000362 0.0000135	1	
34	16.5	A VAL116	0.02426268 0.02426268 0.00907188 -0.00141961	0. 5550171	0.000000000000000000000000000000000000	0,00001048 0,00001278 0,00001278	-0.0000052 0.00000212 0.00000212 -0.0000000	L.		20 155 175	P VALUE	1.55624836 0.0226235 0.00006825	10.0004	73-500001 PC -0-0000000000000000000000000000000000	- 0,000000184 - 0,00000184 - 0,000000184	-7, 7974(756 -9, 79300367), 20300018	0, 0010 0211 -0, 0000 082 -1, 010 010 010		
	645845S10N 79500 79781		121 FE CF PT 121	7	2001	1000 1000 1100	05 T 1 4 0 F T 1 4 0 F T 2 4 0 F T 3 4	C204 PEPIACED BY C201		REGRESSION EPOPO TOTAL		CLICEPT		27144 27144	7000	0F113	0 1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		

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	09.9		100.00	1000	700	5.53	1.20		0		99.9	L	11.37	DF-4-	0.50	- 90 - 90 - 90 - 90	2000 01000	12.91	0 52 1 952 0 42	
	0.78519377	TYPE 11 SS		0.51255-001 0.8014-001 0.51239971					0.05569251	OLD OF THE PARTY	0.789 0.118	TYPE 11 SS	35086	9336	0579	03046 03046 95130	0.28678216 0.7389365 0.8387600	5233	0.06135373 0.22786875 0.05033433	
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	20 156 175	E VALUE	7.60235039 0.07396708 7.00001425	7, 1001 K648	-2. 20 11 54 -3. 00 00 00 11 54 0. 100 0 00 11 50	0.000 00-	2, 2000 ROOT	0.0000000 00.0000000 00.0000000	2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20	R VALUE	1.60454949	-C. 5006.2873 -C. 5006.2873 0.00091476	C. 0000C207	0.00000162 1.00000000 0.0000F567	- C. COOCC 67 - C. COOCC 67 - C. COOCC 67	- 7. mmnca78 - 7. mmrna6 - 6. radaca3e	7, 00 30 01 57 -7, 00 30 01 32 -7, 00 00 00 00 -7	
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00377	052 87.23 G.0001	SS F PR08>F	1552 184.66 3.0001 1254 10.17 0.001 154 12.90 0.0004		15354153 1AKE F PROB>F	1371 72.23 0.0001	SS F PROBYF	5709 5709		5.66240172 SQUARE F PROBSE	95 62.28	SS F PROBYF	2848 21.70 0.0001 2848 21.70 0.0001 3038 4.67 0.0028 0444 11.74 0.0008 4.850 14.74 0.0002	.32390367 0UARE F PROB>F	579 63.9	SS F	1164 22.34 0.0001 964 10.70 0.0019 704 13.66 0.0003
7239573 ([P] = 3	0.51248209 0.13312 0.51248509 0.13312 0.7919171	STD FP40R TYPE 11	0.000012501 0.000001326 0.00000634 0.0105050652		3123405 C(P) = 28.8 OF SQUARES MFAN SQU	0.53948131 0.10 0.25743620 0.79191771	STD FRRCR TYPE 11	0.000013748 0.000001435 0.00000000 0.00000000 0.00000000		R985916 C(P) = 2 OF SQUARES MFAN	169 0.06	STD FRROR TYPE 11	0.00001496 0.00001496 0.00000011 0.00000001 0.00000034 0.000000001	9540619 C(P) = 22	5507C441 0.09178 24121331 0.00143	0.28058	0.00001399 0.0145708 0.00000015 0.0145708 0.00000016 0.014360
Sallate = n.	176	4 VALUE	-0.005 PF786 -0.00165875 -0.0006607 -0.00006108	APTABLE MODEL FORING.	F SOUAPE = 0.61	140 174	4	-0.105.01868 -0.107.72876 -0.700.000 -1.000.000	YOU'L FOUND.	F SNIAPE = 0.6	1 6 8 174	B VALUE	-0.001878625 -0.00187868 -0.0000698 -0.0000176 -0.0000176	FF = 0.	17.4	-0, 01111493 0,001916066	0.000000000000000000000000000000000000
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-	64.38	u.	197.24 18.03 10.99	5-86 7-58 13-34		Œ	56.64	u		12.31		u	56.88	u		13.56				
C(P) = 21.41291294	0.09198286	TYPE 11 SS		0.019837076 0.01983909 0.01905371	C(P) * 19,36813746	MEAN SOUARE	0.07960358	TYPE 11 SS	0.25976033	0.00579453	0.02412442	C(P) = 19.84096745 MEAN SQUAFF	0,01970268	TYPE II SS	0.26045397	0.01900028	0.01269990			
= 3,6461972	0.5519630	STO ER	0.000236360.0000000000000000000000000000	0.00000034	= 0,70364014	SUM GE SQUARES	0.55722509	STO ERROR	0.00023816	0.00001114	35	= 0.70451604 SUM OF SQUARES	0.55791 £73	STO EP	0.00013295	0.0000027	0.0000 360 0.00000 360			
TATINGS T	16.6	a VALUE	0.00331633 0.0031663 0.0006860	1,000,000 0,000,000 0,000,000	4	DF	291	R VALUE	-0.01324661 0.00322785 -0.00011592	0.000.0003	1 1	r SOUAPE	141	P VALUE	-0.00181267 -0.00181267	00000098	C. COOC 2274	VAPTATLE MODEL FOUND.		
e cirefplacin py cl.2	TORTSTON TERMS		1.17 en Fert 1.19 1.13 1.13 1.13	. 764.U	ABOVE MODEL IS THE 9FST 6 VAR		FORFSSION TOTAL		DATER CEPT	62130	76	7 CL2 REDIACTA NY FIT	NUISSIAN DE LE CONTROL DE LA C		THE PERCEPT	10 10 10 10 10 10 10 10 10 10 10 10 10 1	7660	APOVE MIDEL IS THE REST 7 VA		

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50.14 0.0	F PROB	2 0 0 0	7.5 7.6 9.2 7.8 0	8	-	0	F PRO	2100 200 200 200 200 200 200 200 200 200	14.86 0.0 8.06 0.0 10.81 0.0					10 31 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.99 0.00 4.17 0.00 22.17 0.00		
0.00139637	TYPE 11 SS	21 52 495 0022017	0.01709775 0.02760865 0.01760865 0.01505515	0271300	C(P) = 19.94040550 MEAN SQUIARE	0.0624150	TYPE 11 SS	2000	0.02772734 0.01124112 0.0158043 0.01547471 0.02564158	C(P) = 19.88669555	AN SOU	0013945 0013945	2200	0.0584773 0.01428401 0.00469484	0.01203356 0.01272465 0.01572465 0.03.057281		
0.24179721	STD FRAC	00001538	0.00001781 0.00000527 0.00000034	• 0000000	0.70933533 SUM OF SOUMES	0.5617352 0.7301825 0.7919177	STD ERRO	00000538 0000067 0000621	0.00000134 0.0000006234 0.0000006234 0.00000062	2458	F SOUDARE	5618058 2301118 7919177	0001630	0.00000675 0.00077502 0.0000522	0.0000000000000000000000000000000000000		
146	A VALUE	-0-11506353 0-00101043 -0-00006006 -0-00012208	- 3.000cc0e6	-0.00000000	DANCE MEDIC FOUNDS. P. SAULAPE #	165	R VALUE	-0,0000 £270	7.000000 -0.0000000 -0.00000000000000000	P SQUARE =	n.		-0.00475773	-0, 00001383 -0, 00001280 -0, 0001280	- 3, 6100(130 - 3, 6100(230 - 3, 24(230) - 6, 50(0(30)		
SECTION COLUMN C	:	147687EPT	0.773 0.773 7.104 7.304	761	WANDEL 15 THE NEST B VARIA VARIABLE OFTIC ENTERED	FRGR 58104 FRAGE 10161			00173 0104 01175 01175 01775	DET3 REPLACEN BY NET4		FFG2FSSION FFFGP	THE FREE T	0,5 7.1 0,5 7.4 0,6 7.4 0,6 7.5	7. 10. 4 7. 11. 2 7. 11. 2 7. 11. 2		

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45.37	u.	L. U.	11.000	041	u	45.96	4	158.20 2.49 2.71 16.75	MWW		48.42	u	3.04	16-14 14-31 21-16	15.08 22.81 12.88		
MEAN SOUTAPE 0.06266676	YPE 11	1971672	0.02433244	0219622	CIPI = 16.62352884 MEAN SQUARE	0.00136860	TYPE II SS	0.21650729 0.01025112 0.00371073 0.02291893	01552 00596 01851 02311	P) = 10.3	MFAN SQUARE 0.06.382435 0.00131917	YPE 11	0.00401298	0.02127955 0.01885925 0.02789889	0.01987544 0.03307137 0.01698383		
0. 5640CC81	STO FRADR	000016 39	0 000000000000000000000000000000000000	000000000000000000000000000000000000000	SIIM OF SQUARES	0.55609549 0.22581822 0.7919177	STO FRHUR	0.00014701 0.000057445 0.0000507 0.00000507	0000	0.72535201	SIM DE SQUARES 0.57441511 0.21749661	STD	0.00142739	0.00000531 0.00000531 0.00000386	0.00000940 0.00000156 0.00000001		
271	172 A VALUE	0.00201790	10.00000116 0.00000116	- 0- 0000 6067	T THIME TO SEE	16.5	R V SI_UE	-0.00184846 -0.00184898 -0.00000835 -0.00000835 -0.00000000000000000000000000000000000	-0.00000748 -0.00001540 -0.00001533 -0.0000000	F SOUARE =	165	174 R VALUE	-0.01954858 -0.024595 -0.0016810	0, 10100000 0, 00000001 0, 1010000000000	-C. 00007648 0. 000076747 -0.00000000000000000000000000000000000	6	-
NJISS LODE T	. C	P-1-1	25.50	CHI	DETI REPLACEO RY CTD2	FIGE STON FILE TO THE TOTAL		11150CEDT (11750CDT) 05720	(7) 1 (2) 1 (2) 1 (7) 1 (7) 2	DFT4 PEPLACED BY CL2	PEGBESSION PEGBESSION	-	6 - 10 6 - 10 10 - 10 10 - 10 - 10 - 10 - 10 - 1	7177 7104 7104	4067 4067 7087 7087	MODEL IS THE REST 9 VARIA	
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0 0.000 PROBYE PROBYE 0.000 PR 08>1 00000 PROBS u. u. 4 36.44 11.67824941 12.47358576 13.71163949 "AXI'IL" 6-50 140 1 JAPPOVI MENT FOR DEPENDENT VARIABLE 0.001465 0.00107465 0.001076665 0.001078769 0.00178769 0.00178769 0.001787690 0.001787690 0.05752379 \$5 MEAN SOUAPE 0.05243845 0.04815213 SS HEAN-SOUTAR HEAN SQUAR TYPE II Ξ 1 TYPE TYPF CIP CEP 0.21667979 0.57682299 0.51782554 0.21409217 0.79191771 EFACR OF SQUARES STD FPROR SIIM OF SQUARES STO FREER Some 2, 72965352 n. 728 38 754 STD ocopcoopoc SUM MUDEL FOUND SOMAPE SOUIARE 00015470 00015470 00015470 00016111 00001611 00001611 V AI 11F 14/ ~ 162 187 2 19 VARIABLE FNTFRE PEGGE SSICN CPP TO TAI 15 GP 55 17P FF GRESSION FOTAL DETTA I)F T TABLE V & F 1 1 RI VAR 4 BRIVE A Prive C 12 STEP STEP HH THE

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	0.04447056	TYPE 11 SS	0051441	0078821	0.02067104	2612410	0701872	3211742 301010894	0039218	PI = 11.79621736	MEAN SOUARE	0.06444441	TYPE 11 SS	.010266	01367 964700	006150	001589	0.0139557	002231	Pl = 11.05756224	2 6	0.00129173	TYPE 11 SS	10.0	002	0.00827472 0.00769102	000	000	003
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DEPENDENT VARIABLE TS C(P) = 10.49761299	ME AN SQUAPE	0.04407585	TYPE 11 SS	0.00842099 0.01090859 0.00114895	0.00505409 0.00555409 0.00553728 0.01843274	0.01558286 0.01526998 0.01658479 0.01643128	0.00111294 0.01779046	C(P) = 11.86214468	MEAN SQUAPE	0.04182301	TYPE 11 SS	00836 01076	00500 005850 00500	0.01615415 0.01485329 0.01725435 0.01708770	000156 01708	
IMPROVEMENT FCR . 73931666	SUM OF SQUARES	0.20723168	STD FRROR	0.00429531	00001919 000001919 000005576 000000556	0.00000342	0.00000000 0.0000000	0. 73937249	SIJM HE SOUARES	0.5855217 0.20639554 0.79191771	STD ER			0.0000097 0.00000697		
TAXIMUM P-SOLIARE	111	12 161 174	R VALUE	-0.01377792 -0.01098654 0.02215383 -0.00000663	-0.0001 2055 -0.0001 2055 0.0001 2055	-0.00001879 -0.00000321 -0.0000416	-0.000000-0-	S VARTABLE "MONET FRUND." RED F SQUARF =	- Dr	14,	B VALUE	-0.01103899 -0.0106126 0.02205709	-9.00017501 7.02074094 -1.00011801	-0.00000339 -0.00000339	2.0050000 7.0000000 0.0000000000000000000	
NET44 PEPLACEN RY NET12		FRANCE		INTERCEPT (L) (L) (L) (L)	123	25.50 20.00	71.1.5 76.1.30	VARIABLE OFTIS ENTE		REGRESSION POPUL		14:19(191	11 12 12 12 12 12 12 12 12 12 12 12 12 1	\$4.50 \$4.50	0F 113 0F 1734	
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	PKUBSE	0,0001	PROBYF	0.0042	0.0021 0.0316 0.0510	0000	0.2336		PR 08>F	0.0001	PROBYF	•	0.0008	0.0152	90000	0.0016 0.1415 0.0004	0.0007
	4	32.47	ů.	8.70 1.70	24.61 1.80 1.80 1.80	12.71	13.36		u.	32.60	u		10.01	25.14	12.36	2.18 13.18	12.22
FCR DEPENDENT VARIABLE TS C(P) = 11.69064630	MEAN SQUARE	0.00128856	TYPE 11 SS	0.00963526 0.01085486 0.00218851	0.01262540 0.00606161 0.00606161 0.00179441	0.01813102 0.01637739 0.01697500 0.01745595	0.01721870 0.00184249 0.01576278	C(P) = 11.22217116	MEAN SOUARE	0.00128471	TYPE 11 SS		0.01203804 0.01495567 0.0128562 0.00947741				
IMPROVEMENT	S'TH TIF SQUARES	0.20616589	STO ERROR	0.00425516 0.00759158 0.00000607	0.00001900	0.0000000000000000000000000000000000000	0.00000173	- 0.74043581	SIJM OF SOUARES	0.58636423 0.20555346 0.79191771	STD FRROR		0.00734248	0.00005662	0.00000537	0.0000034 0.0000035	0.0000000000000000000000000000000000000
MAXIML " E-SQUARE E SQUARE = 0.	#	160	A VALUE	-0.0098E010 -0.01102579 -0.0001059	0.00004177	7.30101046 7.30101047 -0.00000330	0.0000001 0.00000001 -0.00000005	R SMIARE	υ¢	152	A VALUE	-0.01251238	0.07505207	7. 0230 030	2.00001886	-0.000000000000000000000000000000000000	-3. 000.000
DETLY REDIACIF BY CETTI		PEGPESSION FRENP FOTAI		THIERCEPT	:=&Ē + Ze 2	2555	06113 06134	DETI REPLACED BY C201		6-5prSS10N coens rotal		THERCEPT	-222	22.71	5000	**************************************	\$c150
STFP 14								STEP 14	-51								

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	ACTE NY CLD)					
	14	SOUNTE = 0.7413	P) = 10.667236			
			MEAN SOUAKE	1	PKUB>F	
	14	5870944 2048233 7919177	0.0419353	-	0.0001	
	8	UF. STO ER	TYPE 11 S		PPOBYF	
1	12 12 13 14 15	85 84 94 94	000	13.78	0.0009 0.0003 0.0031	
1	7.22	9000		13-43	0.0042 0.0003 0.1010	
Sunder 15 The First Sunder Su		4.00 000 000	poec	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	000000000000000000000000000000000000000	
VARIARE STUTE REST 14 VARIARE Leginare	6.5	100	000	5.39 1.64 14.56	0.2019 0.2019 0.0002	
F	THE REST 14 VAPIABLE	UNC. ARE = 0.743	P) = 11.16631			
159	DF	OF SQUARE	AN SQUAR	ŭ.	PROBYF	
A VALUE	1	5890692 2028464 7919177	0.03927	7	1000 0	
-6.000212557 -1.71565243 -1.71565243 -1.71565243 -1.71565243 -1.71565343 -1.7156345	1	ALITE STO EP 90	PE 11	u	PROB>F .	
- 0.0005132	-0- -1 -1 -1 -1 -1	343 0.00511 343 3.00511	0.012		0.0025	
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FRONT FRON	REGRESSION	WARLINGS 111 STEP 1 VARIA	MAXIMUM R-SQUARE I 111 OBSERVATIONS OELETED OUE TO MISSING VALUES VARIABLE DIDZ ENTEREO R SQUARE • 0.1	HAXIMUM R-SQUARE OUE TO MISSING VALU R SQUARE = 0	ALUES. • 0.19641593	C(P) = 77.47256032			
PEGRESSIUM	FEGRESSIUM 61			0F	SUM OF SQUARES	MEAN SOUARE		PROBSE	
NATERCEPT VARIABLE B VALUE STO ERROR TYPE 11 SS F	NYERCEPT		REGRESSION FAROR TOTAL	-35	439-82363666	439.82363666	15.64	20000	
National Color	ABOVE MODEL IS THE BEST 1 VARIABLE MODEL FOUND. 2 VARIABLE DIO4 ENTERED DF SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945948 F SOUNDS (FP) = 39.5945949 F SOUNDS (FP) = 39.59459949 F SOUNDS (FP) = 39.5945949 F SOUNDS (8 VALUE	STO ERROR	TYPE 11 SS		PROBYF	
2 VARIABLE DIO4 ENTEREO R SOUARE = 0.42617650 C(P) = 39.59459848 2 VARIABLE DIO4 ENTEREO R SOUARE = 0.42617650 C(P) = 39.59459848 REGRESSION 6 3 2284-3141869 477.15705934 23.39 ERROR 6 5 2284-3141869 477.15705934 23.39 INTERCEPT 6 5.43105115 0.00000088 514.2933274 24.751 INTERCEPT 6 5.43105115 0.00000088 514.2933274 24.751 SUM OF SOUARE REAR REAR TYPE II SS F SUAR SOUARE SUM OF SOUARE REAR SOUARE F SUM OF SOUARE REAR SOUARE F SUM OF SOUARE REAR SOUARE F SUM OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUARE REAR SOUARE F SUAR OF SOUR SOUARE REAR SOUARE F SUAR OF SOUR SOUARE REAR SOUARE F SUAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUARE REAR SOUR SOUARE REAR SOUARE REAR SOUR SOUARE REAR SOUR SOUARE REAR SOUR SOUARE REAR SOUR SOUARE REAR SOUR SOUARE REAR SOUR SOUR SOUARE REAR SOUR SOUR SOUARE REAR SOUR SOUR SOUR SOUR SOUR SOUR SOUR SOU	ABOVE MODEL IS THE BEST 1 VARIABLE MODEL FOUND. 2 VARIABLE DIO4 ENTEREO 0 F SOUARE • 0.426,7650 C(P) • 39.59459848 0 F SOUARE • 0.426,7650 C(P) • 39.59459848 1		DIOZ	0.00002763	0.00000699	439.82363666	15.64	0.0002	
2 VARIABLE DIO4 ENTEREO OF SUN OF SUNARS REGRESSION ERROR B VALUE STO ERROR TYPE II SS INTERCEPT OCCOOCOCA SUN OF SOUARE B VALUE STO ERROR TYPE II SS F SOURCE HOOEL IS THE BEST 2 VARIABLE HOOEL FOUND. SUM OF SOUARE STO C(P) = 22.92369554 ACRIABLE DETI ENTEREO OF SUN OF SOUARE B VALUE SUM OF SOUARE B VALUE STO ERROR TYPE II SS F 11955 19909408 10104 B VALUE STO ERROR TYPE II SS F 11955 19909408 10104 10	2 VARIABLE DIO4 ENTEREO OF SOUME • 0.426,7860 C(P) • 39.5459648 FEGRESSION 6 2 226,936,1869 477,35705934 23.39 ERROR CONTAL ENTERED 5.4310515 C0.0000088 77,35705934 23.39 ABOVE HODEL IS THE BEST 2 VARIABLE HODEL FOUND. 3 VARIABLE DETI ENTEREO OF SUARE 0.53375044 C(P) • 22.92369554 FEGRESSION 6 2 2296,9408 196,7909408 16.83946965 23.64 ERECRESSION 6 2 2296,9408 16.83946969 146,30 DITTEL OF SOURCE O.0000066 18.8304696 14.84 ABOVE HODEL IS THE BEST 3 VARIABLE HODEL FOUND. ABOVE HODEL IS THE BEST 3 VARIABLE HODEL FOUND.	THE ABOVE MODEL	THE BEST	ABLE MODEL FOUND.					
REGRESSION 63 1284-111649 477-15705934 23.39	REGRESSION 63 2954-3141849 477-15705934 23.39 REGRESSION 63 2234-24621212 TYPE II SS F INTERCEPT 5.43105115 0.00000881 954-2933374 24.79 OLD				0.42617650				
REGRESSION 63 1284-24.21212 20.39574751 23.39 FOTAL B VALUE STD ERROR TYPE II SS F INTERCEPT 5.43105115 0.00000881 954-2933274 46.79 0102 0102 0.00006026 0.000000881 954-2933274 46.79 0102 0.00006026 0.000000881 954-2933274 46.79 0102 0102 0.00006026 0.000000881 954-2933274 46.79 0102 0102 0.00006026 0.000000881 954-2933274 46.79 0102 0104 0.00006027 0.000000881 116.11836.207 66.28 0102 0104 0.00006657 0.000000881 116.11836.207 66.28 01004 0.00006657 0.000000881 116.11836.207 66.28	REGRESSION 63 1284.342134 477.15705934 23.39 FREGRESSION 63 1284.3421314 20.38574751 23.39 INTERCEPT 5.43105315 0.00000088 514.45048202 29.23 ABOVE MODEL IS THE BEST 2 VARIABLE MODEL FOUND. INTERCEPT 6.53375044 C(P) 22.92349234 44.36 B VALUE 5.000000088 514.45048202 23.46 FRANK SQUARE 6.53375044 C(P) 22.92349554 FF SUM OF SOUARES MEAN SQUARE FEAR SQUARE FRANK SQUARE FRANK G. 22.92349554 FF INTERCEPT 6.5239.24621212 TYPE II SS FEAR SQUARE ST. 3 VARIABLE MODEL FIUND. ABOVE MODEL IS THE BEST 3 VARIABLE MODEL FIUND.			90	6	MEAN SQUARE		PROBYF	
MATERCEPT S.43105115 O.00000881 954.2933274 46.79 0.00000881 0.00000881 0.00000881 0.00000881 0.00000881 0.00000882 0.000008	B VALUE STO ERROR TYPE II SS F B VALUE STOERROR TYPE II SS F ABOVE MODEL IS THE BEST 2 VARIABLE MODEL FOUND. ABOVE MODEL IS THE BEST 2 VARIABLE MODEL FOUND. B VARIABLE DETI ENTERED OF SUM OF SOUARES BEGRESSION ABOVE MODEL IS THE BEST 3 VARIABLE MODEL FOUND. B VARIABLE DETI ENTERED OF SUM OF SOUARES BEGRESSION ABOVE MODEL IS THE BEST 3 VARIABLE MODEL FOUND. ABOVE MODEL IS THE BEST 3 VARIABLE MODEL FOUND.		REGRESSION TOTAL	~~~ **********************************	954-91411869 1284-93209344 2239-24621212	477-15705934	23.39	0.0001	
INTERCEPT 5.43105115 0.00000881 954.29333274 46.79 O102 O102 O1002 O1002 O10006026 0.00000881 954.2933274 26.79 SOURCE IS THE BEST 2 VARIABLE HOOEL FOUND. SUM OF SOUARES HEAN SOUARE FRANCE OF SUM OF SOUARES HEAN SOUARE REGRESSION 6.2 B VALUE STO ERROR TYPE II SS ERROR INTERCEPT 6.6526573 0.000006818 1165.11856207 64.884 DITTERCEPT 6.000006657 0.000000818 1165.11856207 64.884	ABOVE HODEL IS THE BEST 2 VARIABLE MODEL FOUND. 3 VARIABLE DETI ENTEREO OF SQUARE © 0.00000088 514.2913274 25:23 ABOVE HODEL IS THE BEST 2 VARIABLE MODEL FOUND. ABOVE HODEL IS THE BEST 2 VARIABLE MODEL FOUND. ABOVE HODEL IS THE BEST 3 VARIABLE MODEL FILUND. ABOVE HODEL IS THE BEST 3 VARIABLE MODEL FILUND.			8 VALUE	STO ERROR		u.	PROBSE	
3 VARIABLE DETI ENTEREO R SQUARE = 0.53375064. C(P) = 22.92369554 REGRESSION	ABOVE MODEL IS THE BEST 2 VARIABLE MODEL FOUND. ABOVE MODEL IS THE BEST 2 VARIABLE MODEL FOUND. REGRESSION A SQUARE 0.53375064 C(P) 22.92369554 B VALUE SUM OF SOUARES MEAN SQUARE F SUM OF SOUARES MEAN SQUARE F SUM OF SOUARES MEAN SQUARE F B VALUE STO ERROR TYPE II SS A 4.55.65332319 A 4.586		INTERCEPT 0102 0104	5.43105115 0.00006026 -0.00000443	0.00000881	954.2933274 514.49048202	46.79 25.23	000000000000000000000000000000000000000	
REGRESSION 62 1195.199408 398.39969803 23.66 107AL 65 2396.9408 398.39969803 23.66 107AL 8 VALUE 5100000657 0.00006657 0.00000657 0.00000657 0.00000657 0.00000657 0.00000657 0.00000657 0.000000699 1166.11856.207 66.28	REGRESSION 6.3 1095.1990408 398.39969803 23.66 TOTAL 8 VALUE 570 ERROR TYPE II SS E DET 0.00006657 0.00006259 240.88497539 14.30 DET 0.00006657 0.0000088 116.1856207 66.28 ABOVE MODEL IS THE BEST. 3 VARIABLE MODEL FIUND.	BOVE	IS THE BEST 2	ABLE MODEL FOUND.	0.53375064				
62 105-19909408 16.83946963 23.66 55.0596963 23.66 10.83946965 23.66 10.83946965 23.66 10.83946965 23.66 10.83946965 23.66 10.83946965 23.66 10.8394696965 10.8394696965 10.8394696965 10.83949696965 10.839496969 10.8394969 10.83949 10.83949 10.83949 10.83949 10.83949 10.83949 10.83949 10.83949 10.83949 10.83	REGRESSION 62 1064.0471804 16.839469603 23.66 TOTAL 62 2239.24621212 16.839469603 23.66 TOTAL 8 VALUE STO ERROR TYPE II SS E				SUM OF SOUARES	MEAN	u.	PROBSF	
4.65669701 0.00235473 0.00006657 0.00006657 0.00006657 0.000006650 0.00000660 0.00000660 0.00000660 0.00000660 0.00000660	INTERCEPT 4.65669701 0.00062259 240.88497539 14.30 0.00062259 0.00062259 0.00006657 0.00006657 0.000006657 0.000006657 0.000000660 0.000000660 0.000000660 0.00000600 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.00000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.0000060 0.00000060 0.00000000		FREGRESSION TOTAL	m~ss	1195-19909408	16.83946965	23.66	0.0001	
4.65669701 0.00235473 0.00006657 0.00006660 0.00000660 0.00000660 0.00000660 0.00000660 0.00000660 0.00000660	INTERCEPT 4.65669701 0.00062259 240.88497539 14.30 0.00062259 240.88497539 14.30 0.000662259 240.88497539 44.84 0.00006657 0.000006818 116.11856207 44.84 0.00000660 0.00000099 755.05332219 44.84 44.84 0.00000660 0.00000099 755.05332219 44.84	de contractor de		VALU	STO ERROR	=		PROBSE	
	ABOVE.MODELIS THE BEST. 3 VARIABLE MODEL F.		INTERCEPT DETI DID2 DI04	4.65669701 0.00235473 0.00006657 -0.00000660	0.00062259 0.00000818 0.00000099	240.88497539 1116.11856207 755.05332319	404 404 808 808	000000000000000000000000000000000000000	

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REGRESSIUN ERROR TOTAL	90 4	SQUARE	MEAN SOUARE		PROBSF
REGRESSION ERROR TOTAL	7	0,00,00		1	
	65	1284.61618484 954.63002728 2239.24621212	321.15404621 15.64967258	20.52	0.0001
	B VALUE	STO ERROR	TYPE 11 SS	•	PR08>F
Annual or annual or an annual o	5.06218 0.000218 0.00006847 0.0006847	0.00060882 0.00000792 0.00000096 0.00194969	188.07580296 1168.81247858 644.41680146 89.41709076	41.169 41.169 5.11	0000
THE ABOVE MODEL IS THE BEST 4 VAR STEP 5 YARIABLE OFT44 ENTERED	VARIABLE MODEL FOUND. D R SQUARE	4			
		SUM OF SQUARES	MEAN SQUARE	u.	PROBSF
REGRESSION ERROR TOTAL	200 A	1318-11982501 921-12638711 2239-24621212	15,35210645	17.17	0.0001
	B VALUE	STO ERROR	TYPE II SS	u	PROBSE
INTERCEPT DET1 DET4 DID2 DID2 PID4 F202	4.25320 0.002455697 0.00000128 0.00000000000000000000000000000000000	0.000000000000000000000000000000000000	221 - 39924415 231 - 39924415 1202 - 13682017 122 - 91583404 122 - 83185871	47 74 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	00000 00000 00000 00000 00000 00000
5 F202	R SQUARE	102648	- I	·u	PROBSE
REGRESSION ERROR TOTAL		5.8462687		18.08	0.0001
	B VALUE	STO ERROR	TYPE II SS	u.	PROB>F
INTERCEPT 0611 0611 0102 0104 0203	4.35154287 0.0002533117 0.00007233 -0.00007432	00000000000000000000000000000000000000	234.14701939 75.15787487 1253.19719763 185.2844178	15.00.00 10.00.00 10.00.00 11.00.00	000000000000000000000000000000000000000

CTED S	1					
	DET44 REPLACED BY DET22	R SOUARE	• 0.61956486	C(P) = 12.02951134		
		90	SUM OF SQUARES	MEAN SQUARE	u.	PROBYF
	REGRESSION ERRUR TOTAL	\$ 090	1387,35826314 851,88794899 2239,24621212	14,19813248	19,54	0.0001
	The second secon	8 VALUE	STD ERROR	TYPE II SS	u.	PROBSE
	INTERCEPT DET1 06T22 01D2 01D4 0203	00000000000000000000000000000000000000	0.0000059207 0.0000059207 0.00000849 0.00000849	135.01830185 700.66071129 314.01115599 314.0115599	2010 0,0000 1000-10 1000-10	00000
STEP 5	DETI REPLACEO BY C201	R SOUARE	9 0.63017820	C(P) * 10.18742617		
	and the state of t	90	SUM OF SQUARES	HEAN SOUARE	L	PR08>F
was 6 species	REGRESSION ERROR TOTAL	650 8	1411.12415400 828.12205812 2239.24621212	282.22483080	20.45	0.0001
		8 VALUE	STO ERROR	TYPE 11 SS	L	PROB>F
	INTERCEPT DE122 C201 0104 0104 0203	4.82626421 0.000123814 0.000017662 0.000007900 -0.00013596	0.00007345 0.0000007345 0.00001091 0.0000196	145.07671409 154.26109524 291.74529721 264.48230767	0112711 012710 127411	00000
~	MODEL IS THE 8	HOOEL	!			
STEP 6	VARIABLE FD13 ENTERED	R SQUARE	- 0.66085562 SUM OF SOUARES	C(P) = 6.86295825 HEAN SOUARE	u	PROBSE
:	REGRESSION ERROR TOTAL		19.818438 59.427773	2.87	19.16	0.0001
		8 VALUE	STO ERRO	TYPE 11 SS	u.	PROB>F
	INTERCEPT 1NTERCEPT 1NTERC	3.93219412 0.00937630 0.00028920 0.00014483	0.00005872	68.69428473 195.02541650 99.33782091	25.34 48.55	
	0102 0104 0203	000076 000008	0.00001058 0.00000192 0.00003602	676.52593318 239.36486277 328.76389366	2122 25.55 25.55 25.55	000000000000000000000000000000000000000

		SAS		16821 W	EONESDAY. JUNE 13. 19.
	MAXIMU	ARE IMPROVEMENT	FOR DEPENDENT VARIABLE GC		
MOUEL IS THE BEST & VARIABL Variable Det44 entered	ABLE MODEL FOURIG.	• 0.67626799	C(P) • 6.18793888		
	0F	SUM OF SQUARES	HEAN SOUARE		PR08>F
REGRESSION ERROR TOTAL	58	1514.33053370 724.91567842 2239.24621212	216.3329339	17,31	0.0001
	8 VALUE	STO ERROR	TYPE 11 SS	u.	PR08>F
INTERCEPT NET 22 DET 44 0 10 2 0 20 3	00.00000000000000000000000000000000000	0.00000138 0.00000138 0.00000138 0.00000138 0.00000108 0.0000108 0.0000108	42.51725580 20.56674126 34.51209497 122.00280486 708.438077987 273.43877987 348.51021266	2000 011 4100 0110 888 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000112 0.000120 0.000010 0.000010 0.000010
C201 REPLACED 8Y DET4	R SQUARE	6.70137733			
of the company of all the company of	90	F SOUA	MEAN SOUAR	4	PR08>F
REGRESSION ERROR TOTAL	F-88-5	1570.55653237 668.68967976 2239.24621212	224.36521891	19.46	0.0001
	8 VALUE	STO ER	TYPE 11 SS	u.	PROBYF
INTERCEPT 0 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-4.32269063 -0.006569063 0.0000098291 0.000005548 -0.000005548 -0.000005548	0.00167049 0.00383249 0.00007215 0.00000147 0.000000168 0.00000000000000000000000000000000000	178.22880352 153.64532233 324.70720790 191.437331079 202.41363928 516.09613878	44000000000000000000000000000000000000	00000000000000000000000000000000000000
MODEL IS THE BEST 7	VARTABLE MODEL FOUND.				
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VARIABLE FD22 ENTERED	MAXIMUM R-SQUARE R SQUARE .	- 0.71847220	C(P) = 0.86284354		
	0F	SUM OF SQUARES	MEAN SQUARE	u.	PROBYF
REGRESSION FRROR TOTAL		1608,83616188 630,41005025 2239,24621212	201-10452023	18.18	0.0001
	8 VALUE	STO ERROR	TYPE II SS	-	PRDB>F
	0.000000000000000000000000000000000000	0.00163954 0.00007134 0.00000144 0.00000153 0.00000753 0.00000753	1888 263936 2893 2893 2893 2092 2092 2092 2093 2093 2093 2093 20	2446664 24466644 2466664860	00000000
DET4	œ	. 0.71988119 SUM OF SOUARE		4	PROBYE
REGRESSION ERROR TOTAL	. w-w	11.9912212 27.2549908 39.2462121	00	18,31	0.0001
	8 VALUE	STO ERROR	TYPE II SS	ıL	PROB>F
INTERCEPT FOIT4 DET22 D102 D204 D304 F020	00000000000000000000000000000000000000	0.000387155 0.000387155 0.0000074775 0.000000431 0.00004327 0.00064327	1985.062 1985.062 1986.062 1986.062 1986.062 1806.33 1	00000000000000000000000000000000000000	00000000
	REGRESSIC FREGRESSIC FREGRESSIC FOLDS OCIONA OCIONA FOLDS FO	REGRESSION ERROR FRROR FRROR FRROR FOLIS OCCORD OCC	PARIABLE FD22 ENTERED REGRESSION FRECRESSION	RECRESSION RECRES	VARIABLE FD22 ENTERED R SOUARE S 0.71847220 C(P)

	OET2 ENTERED	R SOUARE .	0.73971234	C(P)0.82366120		
		96	SUM OF SQUARES	MEAN SQUARE	u.	PROBYF
REGRESS FRROR TOTAL	SSION	956	1656-39806098 582-84815114 2239-24621212	184.04422900	17.68	0.0001
	-	B VALUE	STO ERROR	TYPE II SS	u.	PROBSE
1	CEPI	40000000000000000000000000000000000000	00000000 00000000 00000000 000000000 0000	12.64 13.96	0414140 0414140 0440	40000000000000000000000000000000000000
ABOVE MODEL IS THE BE	BEST 9 VARIABLE	•	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
VARIABLE DETI	ENTERE	R SQUARE	. 0.74862571 SUM OF SQUARES	C(P) = -0.37069367 MEAN SQUARE	u.	PR08>F
REGRESSION ERROR TOTAL	SSION	ONN ONN	1676-35729276 562-88891936 2239-24621212	167.63572928	16,38	0.0001
The sea of the sea of emission contents assume the sea of the sea	•	8 VALUE	STD ERROR	TYPE (1 SS	4	PROBSF
DESTREE OF THE PROPERTY OF THE	CEPT	00000000000000000000000000000000000000	00000000000000000000000000000000000000	1000 1000 1000 1000 1000 1000 1000 100	200-14-4-00-0 00-4-4-4-4-00-0 00-4-4-4-4-4-4-	00000000000000000000000000000000000000

ر. د GC MEAN 5.17424242 61.8277 R-SQUARE 0.748626 UPPER 90% CL INDIVIDUAL TYPE 111 SS PR > F ROOT MSE 3,19911613 0.000 LOWER 90% CL INDIVIDUAL F VALUE STD ERROR OF ESTIMATE GENERAL LINEAR MDDELS PROCEDURE ^ RESIDUAL MEAN SQUARE 10,23434399 167.63572928 ר ^ 8 PREDICTED VALUE SUM OF SQUARES 1676.35729276 562.88891936 2239.24621212 TYPE I SS PARAMETER #0 ESTIMATE UBSERVED VALUE 55 65 4 OF DEPENDENT VARIABLE: GC CURRECTED TOTAL OBSERVATION INTERCEPT DET4 FDI3 FDI3 DET2 DID2 DID4 D3004 FD22 PARAMETER SOURCE SOURCE ERRUR MODEL

· · ·	75 - 5 - 6 - 6 - 6	GENE	RAL LINEAR MODELS	PROCEDURE		
000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	는		WER 90%	V 200X	
0 0 00 00000000 0 0000 0 00000 0 00000 0	000000000000000000000000000000000000000	9641 1796 1796 1796 1796 1796	2.4325878 4.5187586 4.8233585	92120	12.93797122 115.93797122 22.908378392 14.2839565395 14.283995555	
1		2011-1-00 2011-1-00 40-0-1-00 40-0-0-1-00	883303	2012740 4041460 4040440 4004440 40012012	12. 12. 13. 13. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	
1000000000000000000000000000000000000		600004 000004 0000000000000000000000000	975713	10110101010101010101010101010101010101	7.899146112 9.554696017 10.66059604 10.605985943 8.507885943	
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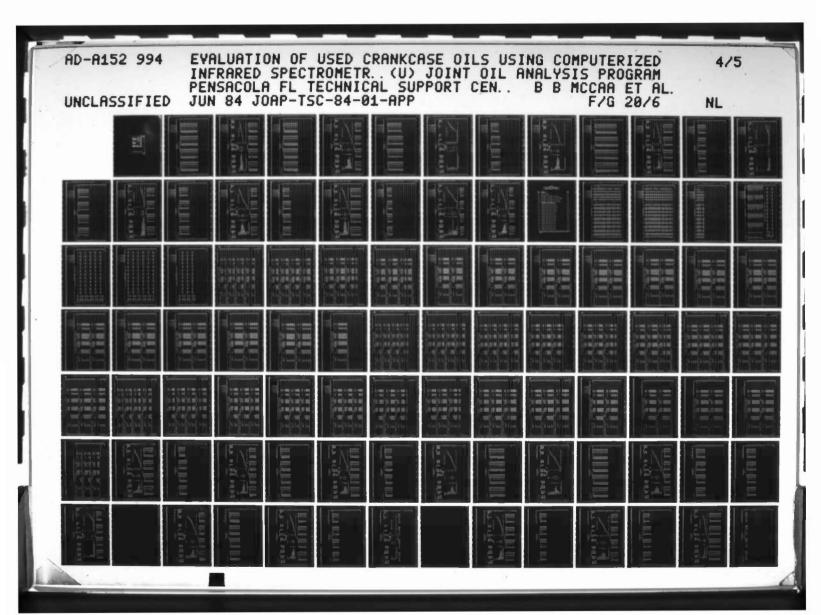
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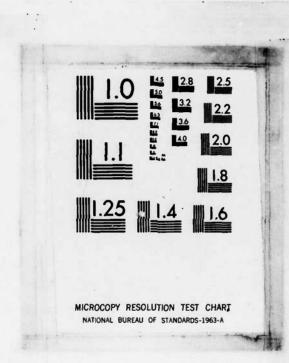
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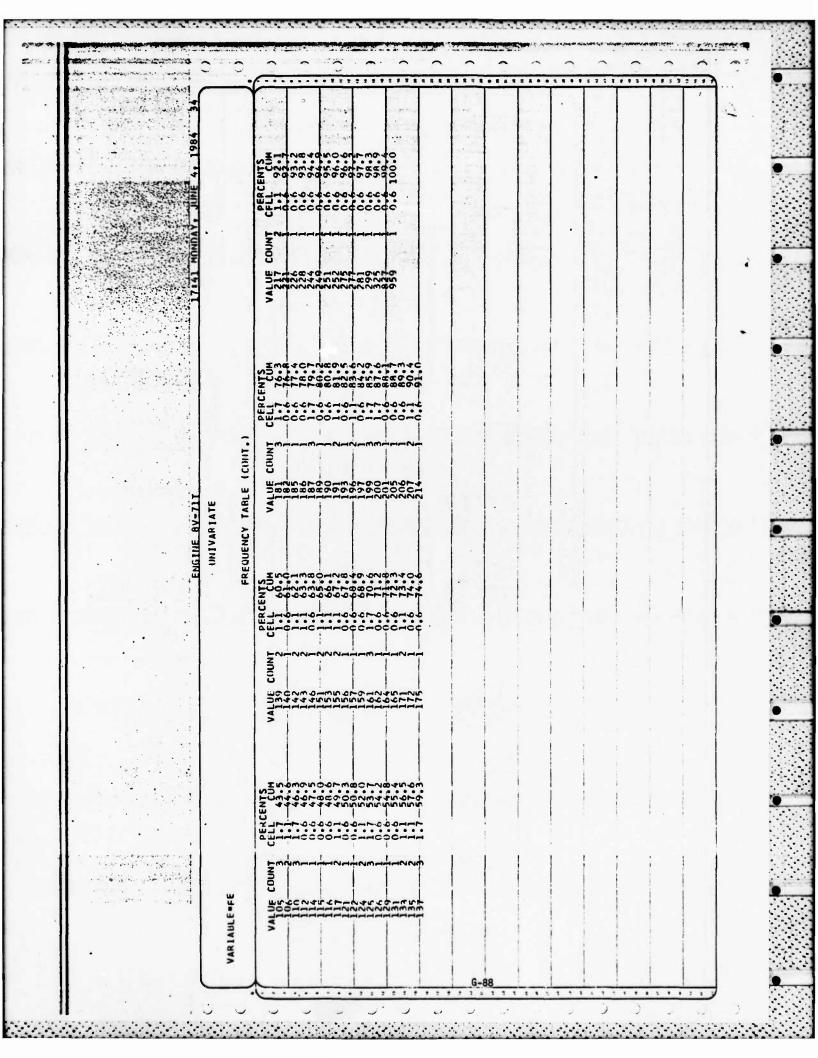
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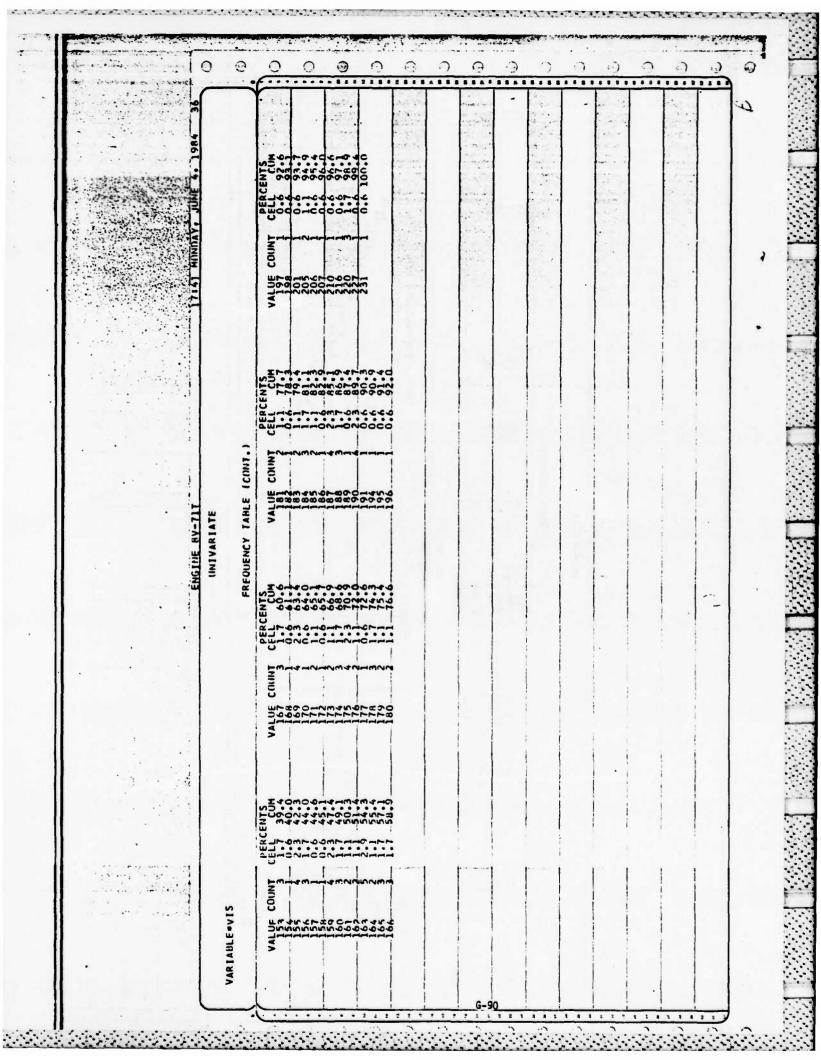
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APPENDIX H CONTINENTAL DIESEL ENGINE AVDS-1790 6TH BAITALION, 32ND ARMORED 4TH INFANTRY DIVISION, FT. CARSON, CO.

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^{*} These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.

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- 0.19774530	S'IN OF SOUARES	55074P.891R1C66 682240.2195122C	STO EPROR	3163339	0.00133444	0535024		= 0.19555892	M OF SQUARE	133419.91719890 548829.30231330 687249.21951220	STD ERRO		0.03122436		77570	M OF SC	510475.44188505	STO ERRC	.093385	0.00096951	00000	0.02971C61 0.05145627 0.00046150		==	
KIABLE WEST FUINA		744	B VALUE	7013437	0.00013950	0876234 0876234 1175000	4 4 6 6 7	~ ~	ů.	۴ د ۲	8 VALUE	23. 45887001 -36. 56461277	0.0594 P044	-0,00006479 -C,00028259	R SQUARE	ŋŗ	A K	R VALUE	141.27364505	0, nn2 /F/23	000 C C C C C C C C C C C C C C C C C C	-0.044934 0.10541334 -0.00122254			
WORFI, IS THE SEST & VA		ERENE TOTAL		INTERCEPT	00174 00174	SCH		VAPIABLE OFTER ENTERE		FEGRESSION FFROR TOTAL		INTERCEPT C11 C12 OCT 202	1102 (202	DFT23 DFT24	DET24 REPLACED BY DET33		REGRESSION	TOTAL	INTERCEPT	6.1.1	n 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	(1) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1		
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C(Pl = 14.90011924	HEAN SOUARE	22296.37006959	TYPE II SS	5032.90	21677-06482231 52711-59731005	8317.879 5230.726		CIPI = 14.27978351.	MEAN SOUA	21678-35093178 6765-88973786	TYPE II SS	5970	8431 8375 8375	21245.05964664 53392.20005336 I6734.19782933	2099		C(P) = 15-12208465	.8547591 .05171,72	TYPE II SS	22259°9442H002 17210°63062447 51394°43816391	44069, 1801 8135 52432, 88716415 29467, 80214762 42643, 41647151 16533, 15937986	3996. 4582 7393. 3892	
AFF = 0.26144546	SIJM TIF SQUARES	178370-96055673 503878-25895546 682249-21951220	STO FR	9976611	0.00004211 0.00004211	04963C2 04963C2		= 0.28597344	SIJM OF SQUARE	195105-15838606 487144-06112613 682249-21951220	STD EPROR	16.87258590	0.00105744 0.00005705	0.01505174	0.00048021		= 0.29681023	98.5475911 50.6719210 49.2195122	STO ERR	9.82466EBC 17.00055251 0.00110151	0.00005442 0.03878148 0.01509C90 0.0234651	0000873	1
P SOURFF	, u	73	A VALUE	29.07082242	0.00001463	0.1169.544 0.1169.544 -7.17.736.89	ARIARLE MODEL FOUND.	F SOUARE		7.2 81.		146. 534224 R3 19.1113 C467 -29.4012 6447	OOF	0.02674628 0.19016112 -0.04103724	-0.00150668	ARTABLE MODEL FOUND	R SOUARE	0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1		143,92432382 17,83205248 - 27,13206236 - 0,00362785	0.00014920 -0.10873082 0.028468 0.1742644	150000	VARIABLE MIDEL FULLINIS
DET44 REPLACED BY CIDS		FEGUESSION		147FP(EPT	E 66	(22) (22) (4)	MODEL 15 THE REST R V	VARIABLE CONT ENTERED		FF GRE SSION FORDR TOTAL		1 V FFDCEPT	75 T30 FF T30	£65 555	DE 123	MODEL IS THE REST 9 V	VARIABLE OFT24 ENTERED	PEGPESSION FPPO TOTAL		19160 EDT 771 712 713	2000 2000 2000 2000 2000	22 11	MODEL 15 THE MEST TO
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HAT IN NO.	4.1	,	C(P) = 15.73868118			
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1NTERCEPT (1.1) (1.2) (1.2) (1.2) (1.3)	101	211 333 34957790 470915 86993429 682249 21951220	19212-12268899	2.86	0.0039	
1 1 2 CEPT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	B VALUE	STO ERRCR	TYPE 11 SS	ů.	PRO8>F	
07 T3 %	54144		23790-69236300 IRIO2-72669634 BR34-80198673		0000	
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7207 723 07 173 05 173	4514 4873 3024	0.0698495 0.02777859 0.00055805 0.00016234	47264-49714350 20703-98626875 81927-00057919 15739-09331627	200-00 20	0000 00000 00000 00000 00000	
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THTERCEPT	B-5213	STD EKRUK	TYPE II SS	-	PRUBSE	
	7504	2000	20162-47209001 17457-99726218 3541-53801879 1994-15592807	25.00	000000000000000000000000000000000000000	•••
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ABGVE MODEL IS THE REST 12 V	ARIABLE MODEL FRIM	0.				

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HUNDAY. A		PROBSE	0.0105	PROB>F	0-1270	0.0517	0.0302	0000	0.2552		PROBYE	0.0105	PRUBSE	0.2765	0.6524	0.0572	0000	2051	0.2429			
13:10		-	2.39	i.	2.39	3.92	06.4	1-01- 1-01- 1-01-	1.32 0.08		u.	2.39	1	1.20	1.00 0.20 3.80				1.39	4		
DEPENDENT VARIABLE VIS	C(P) = 19.34082767	MEAN SQUARE	16451.85796251 6887.86861764	TYPE II SS	16444.08810186	2538-40529043 27009-05885758	33743-89945629	19585-1860/5609 19578-1956506 16478-13471589 65256-15524828	9069.51388191 546.64800666	CIPI - 19.32688212	MEAN SOUARE	16458, 70874849 6886, 55890856	TYPE II SS	3465	1410 1410 2627	5770-257 4227-1361	8502	6143.4570	781.3361			
JARE IMPROVEMENT FOR	= 0.31348391	STIM THE SQUARES	213874.15351263 468375.06599556 682249.21951220	STD ERROR	2	op ec	200	0.011480000 0.011616692 0.00000000000000000000000000000000000	ENI	= 0.31361445	SUM OF SQUARES	468286.00578186 687249.21951220	STOTERROR	5902379	20.26910830 0.03899706 0.02479415	00136C0 0001549	0744527	0467376	00002 7 26 00006 7 4).		
MAXTMUP R-SQL	P SOUAPE	101	. 13 68 81	B VALUE	15.56262674	0.00265568 0.00265768	-0.14914150	0.24113318 0.24113318 -0.07003125 -0.00183465	0.00076485 -0.00001697	R SOUARE	ηF	848 18	B-VALUE	173.14520805	-21.49481767 -0.01764611 0.01531498	0.00263087 C.00015686	-0. 15501871 0. 04280969	-0.001785002	0.77027434	ARIARLE MODEL FOUNT		
	VARIABLE PETT4 ENTERED		PEGRESSION FRPOR		INTERCEPT CL 2 CL 2	FF 22 NG 722	C102	2000 2000 2000 2000 2000 2000 2000 200	n:134 n:134	CL22 REPLACED BY CL11		PUGETSSTON FREDR TOTAL	a gradus	INTERCEPT	217 7170 7170	0FT33	2011 2011	(20) 0FT23	DE 124 NF 134	MONEL IS THE REST 13 V		
	STFP 13									STEP 13	2.9	. 4								THE ABOVE		

14 VAR	VAR 11BLE DETAL ENTERED	F SQUARE	= 0.3145093R	C(P) = 21.23127601			
		111	SUM OF SOURRES	MEAN SQUARE		PROBYE	
	PEGRESSION FPPOR	14	214573-78109735 467675-43841484 687249-21951221	15326-69864981	2.20	0.0168	
		8 VALIIE	STD ERROR	TYPE II SS		PROBYF	
	147FP CEPT (1.1) (1.2) 0F 74	13.94741307	68 180 23 41 2 80 54 0 43 71 44	8440 - 30526652 7634 - 92948786 1988 - 35334392		00.275	
	17-17-17-17-17-17-17-17-17-17-17-17-17-1	0.00281146 0.0032 C750	0.02648846 0.00149521 0.00011162 0.00002275	24547-61184791 24122-1486487 610-56736702	Dww0 00000 00000	0.06533 0.0674 0.7683	
	2500 2500 2500 2500 2500 2500 2500 2500	0.04205123 0.04205123 0.24331814 -0.07316169	0761755 0260811 1288887 0472843	1 4145-75172122 1 4145-7598869 2 4145-48562092 1 5377-36797276		0000 0101 0101 0101 0101	
	75177 06124 06134	-0.00002188 -0.00002188	00008342 00002932 000008C4	3370		0.0072 0.4519 0.6574	
POVE MONEL	15 THE REST 14	VARIABLE MODEL FOUND. P. SOUAPE	= 0.31570784	C(P) = 23,10324414			
		ш.	SUM OF SOUARE	MEAN SOUA	•	089	
	TO TAL	8 VALUE	466857-79104140 682249-21951220 STD EPROR	143544285472 7073-60289457 TYPE 11 SS	6003 F	0.0258 PROB>F	
	THI ER CEPT (L)	174.24505541	549265	7733 33426077	00	0.2996	
	7-1-1-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	0000	747477 5596617 631865A 7015237	2724-65778018 2416-65778018 22877-25467456	-mma	0000 0.0500 0.0500 0.0500	
	44717 44717 47177	0,00323316 3,00331448 -0,1649C786 0,04475751	0.00013375 0.000013375 0.08691672 0.02743508	263	0094 0044	0.65563 0.0622 0.1076	
	7202 7203 06 734	-0.07584668 -0.00167639 -0.00023201	1456154 0504316 0002966	15999-51 15999-51 42576-50936-045 4325-74394377	F NO.	0000	

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MONDAY. A		PROBSE	0,0386		PROBYE	0.5263	0.5738	0.1063	0.03976	0.0839	0.1543	0.5833		PRO8>F	0.0113	PRO8>F	0-1440	00.2734	9:001	0000	000000000000000000000000000000000000000	0.1358	0.0268
13110			1.88		·	44.	32	23.685	2000 2000	3.08	104 500 800	00.30		u.	2.25	L	•	0-0					• •
DEPENDENT VAPIABLE VIS	C(P) = 25.00878580	MEAN SQUARE	13499,66661914		TYPE II SS	3525-82441524	3123-76237767	23328.34291217 19244.54282087	23956.86343595	22103.02964858	14195.40768863 603.23743546 - 345246, 93458710	2180.60130221 2712.11779903	C(P) = 20,70745108	MEAN SQUARE	15216, 51212999 6750, 53885281	TYPE 11 SS	277743	3841-41804196 8227-93067351 5725-74803137	3560.915771	0243.776530 6396.055029 8204.287809	8767 01 836464	5397.185403 8568.760509	08080
IN TO THE TOTAL TO THE TOTAL T	= 0, 31659203	SIIM OF SQUARES	215994. 66590626	2716612°05278	STD ERRCR	15.58317546	0.06117545	0.00158626	0.09679527	0.16329114	0.0000000000000000000000000000000000000	0.00033785	= 0.35685522	SIJM OF SQUARES	243464 19407986	STO ERRO		0.02987375 0.02987375 0.00161631					
MAKIMIIP P-501	P SOUAPE	414	16 65		B VALUE	10.92525132 -16.4258P937	0.04037024	0.00284981 0.00025470	0.00002131	0. 2866203R	C. CC00C004	6. 000 F627 -0. 0000 F925	F SDIIARE	ŋF	650	B VALIF	171.39556049	0.0374583 0.03794120 0.00144858	C. 00055349	0.07572249	-0.000000000000000000000000000000000000	-1-00102853	-1.0000-0-
	VAPIABLE DET14 ENTERED		REGRESSION FREOR	III YAI.		CL!	11.00	DCT 2.2	7000	Chris	0,50 0,114 0,513	Dr 124 DE 134	C12 REPLACED BY DET13		RF CRESSION ECOTOR		TATEBLE DT CL1 OCT3	0.11 0.11 0.122	1): 144	2	C2 D3	05-151	06.134
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C A L A M A L T S I S S T S I E M ISTIU MUNUAT, APKIL 23, 1963 IS IMPROVEMENT FOR DEPENDENT VAFIARLE VIS •36691953 C(P) = 19.63227656	SUM UF SOUARES - MEAN SOUARE - PRUBSE	1330, 55971 £27 15645, 65998227 2.35 0.0080 1918, 65979593 6644, 90245840	STO ERROR TYPE 11 SS F PROBSF	00964984 8641.53060003 1.30 0.36344186 8756.17426496 1.32 0.365496 1.38	06404392 4518.64982634 0.58 0. 0595447F 34212.01185688 5.15 0. 00023179 39382.5503327 5.93 0.	02218214 75901-8735131 11-42 0- 02218214 107120-57391434 16-12 0- 13394-610 74236-9392652 11-17 0- 04038700 94938553 11-47 0-	0.00001778 4727761540774 7-11 0.0096 0.00001253 53298-59285459 8-02 0.0061 0.00068452 18303-90260010 2-75 0.1018	00016737 39401.05810717 5.93 0.	.36723156 C(P) = 19,59894169	SIM OF SOULARES MEAN SOUARE F PROBYF	747, 4455 £92 15658, 96534431 2,36 0,0079 705, 77400 228 6641, 62729236 2,49, 21951 22 C	STO ERROR TYPE 11 SS F PROBYF	.00952116 13302.63953332 2.00 0.	16372244	. 07502924 45147-64762945 6-80 0- 02132807 77372-94430311 11-65 0- 0313052 7612-2445449 1-25 0-	03.795.795.795.795.796.3 00.001.795	70707 F F F F F F F F F F F F F F F F F
MAXIMIN R-SQUARF I SQUARF = 0.	1S1i	16 250 65 431 81 697	R VALUE	197-44201044 -0.01100338 -0.41720308 0.23352283	-0.05781265 -0.13511039 -0.00056429	-7 -76661835 0.08906263 0.4477742	-0.0013447 0.0013440 -0.0013419	-0.0040755	R SQUARE = 0.	DF SI	16 65 81 682	R VALUE	205.49502345 -0.1347477 -0.55002184	0.23014334 -0.64712070 0.09127287	0.0727654 0.0727654 0.0727654	-0-1213 F545 -0-00004911 0-000043170	T LUJ Beson
OFT22 REPLACED BY DET2 .		RFGRESSION EOR OF TOTE		131FPCFPT 0517 0513 0513	0.12 0.12 0.13 0.144	6666 6666 6666	05.114 05.114 06.123 06.134	Dc 134	NET44 REPLACED BY C104		PFGRESSION FPFR		134566 FPT 06 T3 05 T2	6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000 1000 1000 1000 1000 1000 1000 100	2007 2007 2007 2007 2007 2007	
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CHAPTER KINDLE STREET CONTROL STREET

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PERNORN VARIABLE VIS	C A L	F S T T T T T T T T T		. 21		:														
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MONOAV, APRIL 25, 1983 16	PRUBYF 0.0007		0045 1324	0.010 0.010	2802 0000 2210 25310	00000000000000000000000000000000000000		PRO8>F	• 0000	PROB>F	•3763 •5314 •0504	2274 0017	0.0252 0.0296 0.0299	0005	. 6274
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Y S I S S Y S T E M DEPENDENT VAPIABLE V1S C(P) = 12.72615189	18402-1878	5966.372515 TYPE 11	100	M 41.		82708 17358481 40012 34464170 49779 494936415 7580 91539395		MFAN SQUARE	18536, 73833787	TYPE 11 SS	2349.55789 2349.55789	8811.06409 3974.85383	31152-33059234 31152-3305023 76282-27016139 29250-81765700	2502.75870 9899.30250 8463.61599 2932.85087	2748.58807 3784.52824
1 C A L A N A L PE IMPROVEMENT FOR = 0.43156518	SUM OF 3	387814-21347911 -687249-7155127C STD EKROR	0122586 0071 834	00012637 0001102 0001102	0393142 0087926 1207757 0686049	0.00001223 0.00001223 0.0000994 0.00051668	72063	SUM OF SOUARES	296587.8134C598 385661:40610621 687249.2195122C	STO ERROR	7838915 2345279 0048536	2947620	0.03947309 0.03947309 0.010247309 0.11848345	00000000000000000000000000000000000000	.0002507
S T A T I S T MAXIMUM R-SOUR		AT B VALUE	253-46293750 -7-02990531 -0-00599169	0.0040F899 0.0040F899 0.00007217	0.03226827 0.27415949 0.07715949	-7-05551693 -7-050002206 -7-0500002206 -7-050015950	P SOUARE	DF	16 65 81	B VALUE	267.01777788 -14.05076588 -17.76753565	35020	72870	2000 2000 2000 2000 2000	33020
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	13:10	3.15	u.	Now	COMO	E-100	100.23		u.	3.17	u	~6	VIV.	13.39	,07-10	7.0
	S S Y S T E M DENT VARIABLE VIS = 12.20783133	ME AN SQUARE 609-07164508 915-44727986	TYPE 11 SS	562-172236745 562-17223067 594-51431443	420.48707918 420.48707918 577.89536286 563.32836308	922-40461388 732-53757692 781-42391133 043-60494516	2752-39265441 6950-24318756 2534-90630865 2506-15051129	11.99039632	MEAN SQUARE	894:08419009	TYPE II SS	369 43565 24, 78836	348-50668 950-77306 935-97769	521-38857381 917-3391-919 059-00878141	107:901T1 786:00980 532:37166	10. 80122
	N A L Y S I T FOR DEPEND	118	ROR	505	101 101 101	253 253 253 253 253 253	14064 13064	C(P)	RES	582 186 220	ROR	88 55	204 22 22 22 22 32	1000 1000 1000 1000 1000 1000 1000 100	11: 55. 75. 75. 75. 75. 75.	22 42
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DEPENDENT VARIABLE VIS	MEAN SOUARE	19247-41431746 5754,31677589	. TYPE 11 SS	19843-82599278 36545-09127553 11975-22626460	30502-10313583 30502-1032527 7611-22696771 84880-73574560	21846.79398511 11857-92362878 100205.73744547 20096-41440547	11956-52865297 4555-52586123 41231-16265967 66004-39045909	73079.59186857	C(P) = 12.22270167	MEAN SQUARE	18260-42415839 5809-71688781	TYPE 11 SS	1967961	4121.2803133	017777778339 00754489897 304259901081	4644787 0996948 3801582	14273-43592366 95651-29858051 2468-58651523	2545603
FF 1 MPROVEMENT FOR = 0.45138729	SUM THE STUDBURS	307958. 62907937 374290. 59043283 682249.21951220	STD FFROR	. 1309124	05400 PB 0667802 2237915 0010432	.0365478 .0365478 .0086076	0.01473573 0.01473527 0.00001165 0.00000809	10004	= 0.45500559	SIIM OF SQUARES	310427 21069265 371622 00881555 687249 21951220	STD FRROR	.0787114	1568140	2618505	0092106	0 00411647	00000
MAXI'IIIN R-COLLA	30	44F	R VALUE	313-51716378 -5-36011205 -9-01311547 0-18876833	-7-08768484 7-15366698 -7-25726714 0-0040631	-0.1 x 41 x 9 x x - 0.0 x 1 x 2 x 3 x 3 x 3 x 3 x 3 x 3 x 3 x 3 x 3	- C. 04007356 - 0. 0007356 - 0. 00073117 - 0.0075740	VAPIABLE MODEL FOUND.	E SOUAR	DF	1862	A VALUE	334.42404357	0.2444.0569	1018100861	0.2281708	C. 00002773	C. 00.00 29 74
C201 2FPLATED AV DET1		PFGPFSSION FPF OR TOTAL		111 C C P T	105 202	2526 5050	73.34 87.17 87.174) 16ST 16	BLE DETTE ENTERE	•	PI GRESSION FF BOR TOTAL				15.00	FLC	73.03 0.713 0.713	

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YSIS SYSTEM	PENDENT	C(P) = 11.90371749	18380-25487955 5777-88885253	TYPE II SS	19705-16852754	23432,9356591 23432,054345282 76283,04237491 23432,93565962	8765-05543127 95007-60407120 18458-183344 20863-88349709	9153-31288161 9084-34798806 10453-29239403 40894-39790507	64756.39681427					
ICAL ANAL	E IMPROVEMENT FOR	579914A	312464-33295228 369784-88655592 687249-21951220	STD ERRO	2.91639113 0.13639113 0.05620335	0.0766934 0.00117658 0.00811765	0.00485097 0.00885097 0.14417121	0.07124888 0.01511548 0.00009052 0.00001433	0.00050749					: (
STATIST	MAXIMIN R-SQUAR	P SQUARE	647	R VALUE	306.66013136 -5.38581279 0.18715595 -0.09141968	-0.29401255 -0.29401255 -0.00425335 -0.16746844	-0.04982068 0.03592155 -0.00051289 0.27397218	0.08947737 -0.05993585 0.00012175 -0.00003812	C. 00002476 -0.00188853	AWTARLE MODEL FOUND.				
		DET! REPLACED BY C201	F GPFSSION FF POPP		INTERCEPT (11) (11) (11) (11) (11)	1132	2000 4000 7000	7355 7375 06112		MINDEL 15 THF REST 17 VAN				
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2012	MEAN SOUARE	7-17231996	TYPE 11 SS	7,17231996		CIP) = -2.08230196		TYPE 11 SS	4.98987052	C(P) = -0.65819957	MEAN	2.5856565 0.52567449	TYPE. 11 SS	5.17637952 0.57120442 0.32196244	C(P) = -1.21006843	MEAN	2.68849971 0.52171899	TYPE 11 SS	5.48490840	0.53680426 0.83791029			
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11 11 11 11 11 11 11 11 11 11 11 11 11		FRAFSION		Lill CLil	THE REST 1	VARIABLE UTTZ FAITRED	REGRESSION FFF7R		INTERCEPT CL 11 DS T22	MODEL 1S THE REST 2 VARIANCE		RFGRESSION FRPTH TOTAL		INTERCEPT CL11 CF172 C204	CLII REPLACEN NY CLI		RFGRFSSION FGGRR TOTAL		111FPCEDT (1 1	0F T22 (203			
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8. 37474535 40. 38483113	STD ERRO	0.00538770 0.00001325 0.0000125		SUM OF SQUARES	40.07553.297 40.75958C45	STD FRMOR	0.00692597 0.00011537 0.00001595 0.00000175		QUARES	8,98697491 39,77260558 48,75958049	STO ER	00749	0.000013546 0.00001771 0.00000180	0.18924424 SUM OF SOUARES	9. 227469 39. 532110	958	TO ERRO	0.00571382 0.00011853 0.00001884 0.00000255
78	RI R VALUE	7, 126021 R6 0, 01 7 923 55 -0, 03001 963 3, 000001 63	TABLE MODEL FOUND	DAR DAR	7.7 R1	8 VALUE 2-10972975	0.02127748 -0.00089467 -0.0002643 -0.00020554	TABLE MODEL FOUND.		7, 41,	R VALUE	1.97754035	0.0001C306 -0.00003222 0.00000286	A SQUARE =	35	91	4 2	3, 22, 24, 15, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20
PFGPFSSION FDROB	TOTAL	14TERCEPT (2.03 (2.03 (2.73)	THE	VARIANCE HFTZ ENIERED	PEGRESSION FOR OR TOTAL	INTERCEPT		MODEL 1S THE REST 4 VAR		PEGPESSION FRRING TOTAL		INTERCEPT (1) (1)	DF 14 C2 D3 DF 123	DETZ REPLACED BY DET24	FEGGESS ION	ToTal	::laforfpt	01.1 02.93 06.73 06.73
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MEAN SOUTARE	535	TYPE 11 SS	5.32523194 0.75668856	22	P) B 2 - 33102504	1856862	TYPE IT SS	2.14540460	0.86739292 2.80082669		MEAN SQUARE	0.49662765	TYPE II SS	2.21995950 2.96195950 2.9619593	Sp	P) = -1,38452967	MEAN SOUARE	1.91956758 0.49656233	TYPE 11 SS	2.15284493 3.00555873 3.41862239	0.71650485 0.83294032
SIIM TIF SQUARES	39.467032	STD ERPO	000810	0.0000000000000000000000000000000000000	*-0.22412890 CTP1	10.9284311 37.8311493	STD ERFOR	0.00000 306	00000		SUM OF SQUARES	11.51250707 · 37.24707342 48.75958049	STD ERROR	0.00001CI3 0.00001CI3	0000055	= 0.2362C805 CIP	I	11.51740545	STD ERRO	00000057	0.00002278 0.0000274 0.0000183
106	7.5	A VALUE	0.025957	7,000000	P SCHARE		R-VALT)	2. 13951328 0. 51040734 0. 00002450	00000	TARLE MODEL FOUND.	DF SQUARE	75	H VALU	0.01817585 0.01817507 0.00002143	7200000	F SQUERE:	OF .	444	R VALUE	1.41762554 0.03647945 0.00002386 0.10000376	7000409 7000409
	FERENSSION	-	NATERCEOT CLJ CLJ CASS	D-13 P-124	DETZS REPLATED AY DETZZ	MUTCRESSITM (BANG NET TAIL TAIL TAIL TAIL TAIL TAIL TAIL TAI		INTERCEPT (L) (L) (F) (F)	7 L J U	MODEL IS THE RE	VARIANCE DE 124 ENTERED	FEBER FRECR TOTAL	1	(1) TEP CFP T	5c1 3d	CLI GEPLACED BY CL2		FFGPFSSION FOODON TOTAL		- C. F	FPC73 FFT23 PFT24
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0.49925531	TYPE II SS	5555	0.29728170 0.91858514 0.9185855 3.80149772		MEAN S	9595	1 03214730	0 6 4 4 4 6 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1 - 46033130 0 - 87777212 4 - 21398334	C(P) = 1.15802692 MFAN SOUAPE	415258 990051	TYPE 11 SS	1.97483882 0.53159426 1.653159426 3.87838244	0.71483215 1.30425014 0.76562760	4.02774305		
10. A1468715 24. 94489230 48.75958649	STD FPRO	0000011	0.00005343 0.0000285 0.00000285		. Ž	12.28932.757 36.47025292 48.75958649		191100000000000000000000000000000000000	0.000025532 0.00002653 0.00002653	= 0.25291864 SUM OF SOUARES	12.3322066 36.4273738 48.7595864	TO ER	0.00033765	0.00003172 0.00002465 0.00000280	0.00000202		(1
74	A VALUE	1.99797896 0.03268607 0.00001967	0.0007456 0.0007456 0.00006386	60	0.6	1	1 - 7513 5540	0.000000000000000000000000000000000000	0.00000.00 0.00000.00 0.00000.00	u.	a r e	R VALUE	1.044/2340 1.0501.8840 0.00002204 0.0000039	C. 100014675 -0. 00016347 0. 00016347	-0.00100573		
FERRESION FARON		147 ERCEOT (17.2) (17.2) (17.4)	(17.07 (17.07 (17.07 (17.07)	PCVE MODEL 1S THE REST 7 VARIA	370	PFARFS IUN FPOR	THIEFCEPT	71122 76122 76122	1204 06724 01124		Frence Total		117 (177) (1,27) (1,27) (1,27)	66.130 10.130 10.130	DF 1,24		

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THE SECTION	1.57646563	TYPE II SS	2 • 33801 \$14 1 • \$8376856 1 • 9882158\$	3905	3624	0-	MFAN SQUARE	1.65893928	TYPE 11 SS	97213	2.53167668 3.88430830 4.7972995 0.67404086	98165445	C(P) = 0.72496287	MEAN SOUARE	1.52138224	TYPE 11 SS	3.33241311 1.98995629 2.94199465	3 1922 1028 5 09746 746 0 754 77257	1.08071513 0.42092595 6.39908641		
	12.61172506 36.14785543 48.75958645	STO EPROR	0.02735236	000001	00000	18270	S	13.27151425 35.7.806624	STD ERRO	0263422	0.00039695	000000000000000000000000000000000000000	= 0.28081538	SUM OF SQUARES	13.69244 (19	STD ERRO	0249477	0.00001135 0.0000011 0.00003144	0.0000000000000000000000000000000000000		
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	R VALUE	7797558 0.05947451 -0.00086978		0000	~	DF	7.8	8 VALUE	62740 0651 00067	0.00000301	0000	LE MODEL FOUND.	40	72	R VALUE	1.54775992 0.07833571 -0.00102671 -0.00168298	0.000033150 0.0000036 0.00003914	0.09300000 0.00300142 -0.00000108		
	FERRESSION FOR THE		1 WTERCEDT [12] [12] [13]	De 124	DE 7.24	DET 24 REPLACED 8Y DET13		PEGRESSION FORUP		14TFF(EDT (1.2 (1.2)	71.22 06.122 0.000	n 113 n 124	MODEL 15 THE PEST B VARIAB		REGRESSION FREDP		NTEPTEPT CL23 CL23	10 D2 TH	DF 113 DF 124 DF 124		
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3.13	u.	800	7.75 7.70 10.53	12		2.87	u.		1.97	2		2.87	u.	11.97	04.04.0	1		
MEAN SOUMRE 1. 52318640 0.48681819	TYPE 11 SS	933	1.09895254 3.74922647 5.12606123 0.70911541	45	C(P) = 2.10270964	1 - 40403183	YPE 11 S	2 • 50586029 2 • 13402027 0 • 33164069	2.19847355 0.96264393 3.06684502 2.20305102	0.60726630 0.85090054 5.46056613	1	1 - 40412788 0 - 48899016	TYPE 11 SS	2.51232236 0.96360445 2.16968823	0.33571941 2.20381371 3.06475931 2.19703425	8412 4512		
SIIM OF SOURRES 13.70867761 35.05090288	STD ERRN	00298070	0.000000000000000000000000000000000000	0000015	= 0.28794994	14.04031 830	STD ERRO	0311919		0000023	9796964	14.04127681 34.71830167	STD ERRO	0.03127206 0.0000105 0.00064555	0.00038605 0.00038605 0.00001167	000000000000000000000000000000000000000		
7.2 7.2 8.7	, e	1.55207405 0.07795823 -0.00102182 -0.00107903		0000	SQUARE	10	R VALIJE	0.0706.083 -0.00134890 0.00031804	0.000000000000000000000000000000000000	000	P SQUARE	017		0.07078833 0.07088333 0.000147 -0.00135989	0.00031988 -0.00007537 0.00002029	000003	TABLE MODEL FOUND.	
FFCPFSSION FFFOP TOTA		INTEPCEPT CL 3 DF 73 CL 73	0.111 0.172 0.172 0.173	ner23 ner24	VARIARIE DETA ENTEPED	NOISS about	-	INTERCEPT (1.5 OF 14 OF 14	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F102 FF123 DE124	DET11 PEPLAC	P GRFSSION FORDIR TOTAL		0FT3	PFT 4 CL 22 PF 723 PF 724 PF 744	1111	BOVE MODEL 15 THE REST 10 VAR	
					THE ABOV			H-3			STFP 10						THE ABO	

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PRUBYE	0.0059	PROBYF			0000		PK0B5F 0.0031	PRO8>F			0.0514 0.0928 0.1195		0.0031	PROB>F	0.0695	00000000000000000000000000000000000000		
-	2.70	u	000	C-48	2.24 2.24 11.57		2.93				3.61 2.90 2.48 11.10		2.93	L	30.40 04.50	6.379 6.379 11.855	5-1	
HF AN SOLIARE	211053	TYPE II SS	45087 47637 45420	53564 53664 67187	2.56273172 1.09534842 1.09358327 5.65772017	P1 = 1.7	MEAN SQUARE 1.39820499 0,47684751	TYPE II SS	.621545 .602999 .326937	482806 482806 027493 632785	1 • 72354431 1 • 38474028 1 • 18438997 5 • 29511535	P) = 1.703	1.39831001 0.47683101	TYPE 11 SS	1.62037268	3.21383036 4.46049284 1.32809312 3.63572389 1.71796141	21 5031 299950	
SHATIF SOURRES	34.5	STD FRRO	C885828	0005817	0.00000014 0.00004109 0.00000243 0.0000243	31543042	5UM OF SQUARES 15.38025490 33.37932558	STD ERRO	08023	000000000000000000000000000000000000000	0.00029830 0.00049227 0.00000161 0.00000240	31545411	15.38141013 33.37817035 34.37817035	STD FRRO	0.08021705	0.00054415 0.00065232 0.00000000 0.00001168 0.00029827	0000016	(4)
36	7.0	2	6633 0633 0674 0000	1000 1000 11000	0.000032 0.0000363 0.0000363 0.0000834	<i>(</i> .	11 70	8 VALUE	-0.14796658 0.35016298 0.03000209	-0.00142581 -0.00166624 0.00002941 0.00000042	0.00076711 -0.00083888 0.0000254 -0.00000801	R SQUARE =	11	B VALUE	1.47854794 -0.14787463 0.34949597	-0. nnj 41269 -0. nnj 40111 7. gonerno 0. nnj 6011 1. nnj 6042	-0, ypgn; 7 78 0, 09006258 -0, 00000803	TARLE MODEL FOUND.
	RFGPFSSION FPPDR FPPDR		131EPCFPT	0.174 0.175 0.175	05144 05102 05124	NET4 REPLACEN AY C2N2	PECPESSION FPROF	J	INTERCEPT :	0172 (122 0172 0172 0172	(1902 (1903) DE 124	DETI REPLACED BY DETII	PFGRESSION		C. 3	01.52 01.52 06.11.1 06.144	76 £ 35 De ₹ 36	400EL IS THE REST 11 VAR
						STEP 11			H-3:			STEP 11						THE ABOVE

16.07643392 1.33386949 2.81 0. 32.75314657 0.47468329	ALIIE STO ER	8558 0.08140219 1.94826482 4.10 6465 0.15038733 2.86706462 6.04 1785 0.00069898 3.57361422 7.53	1,55 0,00034261 1,65202379 1,532 1,5	0.00000014 2.7421430 5.78 0 0.0002983 1.47251536 5.91 0 84749 0.0004984 1.47667157 3.91 0	SQUARE = 0.32841404	SUM OF SQUARES MEAN SQUARE	16.01333C77 1.33444423 2.81 0 32.74624572 0.47458333 4.75568449	JALUE STO FRROR TYPE 11 SS · F PROBY	24490 0.008143558 2 24490 0.15054423 2 2249 0.000000123 2 2246 0.00000102 3 22546 0.00000102 3	23.78 0 0 000 52.75 8 3 4 56.31 82 4 5 3 4 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5	0477 0 0 0000242 5 66860354 11.94	FL FALIND. R SCHAPE = 0.33907435 C(P) = 3.64380357	SUM DE SQUARES HEAN SQUARE F PRUBS	16. 53312.204 1.27177873 2.68 0.0043 32.22645745 0.47391849 2.68 0.0043	ALIIF STD E	140 0.08395599 2.34787953 0.15473653 1.53293074 1.54 0.00221673 0.51974227 1.0135203 2.0042224 1.0135203	7.02 0.00001186 2.46213173 5.20 0.00000018 2.67602904 3.47 5.14 0.0000018 2.23369504 4.71 6.07 0.0004928 1.74075619 3.67
PEGRESSION 12 FREAR 69	æ	15-384 1	1111 0 0.000	200000000000000000000000000000000000000		DF	PFGRESSION 12 ERGTH KO	> &	RCEPT - 1-377	2000	0.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	THE REST 12 VARIABLE MINE OF 12 ENTEPEO		regression 13	> a	H=CH++H	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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Y S I S DEPFNOET C(P) =							* (4)3	HE					,		* (6)						
2 F	0002214 955834 958049	EPROR	034	23034 72355 43666 55585	9000	023		<u>ب</u> پ	958049	ER PO	70507	12365	1000	31 32 8 50 34 1	2003	TOTARES	12935	R.RO	2 C T	555	50000 501758 501758
A L MPF.OVE 344.343	31.969 31.969	10	157	0000	0000	00	344630	SIJM OF SQ	31.955	STO	151	000		000	3452337	TIM TIFES	31.926	STD	084	200	0000
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NET23 REP							DETT REPLAC								DET44 REP						
							STEP 13								FP 13						

		1 VAP	VAPIABLE NTTA ENTEFED	F SAIJARE =	0. 79261627	G(P) = 112.02685440		•		
				the same of the sa	SOUPRE	MEAN SOURRE		PRUBSE		
			RFGRESSION Faros Total	47	0.78923799	0.00258125	05.	0.0001	4	
MINTEL IS THE PRESSION 100000000 100000000 100000000 100000000				R VALUE	STO FFROR	11 S	u.	PROB>F		
VARIABLE DETT FINE FOLIND. CIP STATEFOL CIP STA	VARIABLE DETA ENTERED SQUARE 0.81052172 C(P) = 97.61908953 P P P P P P P P P P P P P P P P P P		Natracept Patas	0,00000006	3.00000000		7.1	0.0001		
VARIABLE DET24 ENTEPEN	VARIABLE DETAIL STATES DETAILS		TSTHF REST. T	ARI E MODEL FOUND.						
### PERPESSION	PECCESSION 72	VAP	IABLE DET24	Œ.	81052	1 = 97.6199895				
TITAL	174		REGRESSION ERFOR	70	Σ	MEAN SQUARE 0.40353356 0.00238824	68.0	0,0001		
MITTER MATTER M	NETT NETT		1713	- AC	STD ERROR	TYPE 11 SS	u	PR 08>F		
VARIABLE DETA FUTERED K SOLIBRE = 0,84908311 C(P) = 64,28597355 F PR C	Maria Fate		THIERCEPT No.133 Dero4	0.06232351 0.00000007 -0.000000005	0.00000001	5014548 0178291	9.4	0.0000		1
PEGPESSION 3 C.8446416 O.60197859 146.28 O. 00197859 146.28 O. 00197859 146.28 O. 00197859 146.28 O. 00197859 O. 00197859 O. 00197859 O. 00197859 O. 00197859 O. 00197859 O. 00197859 O. 001978599 O. 001978599 O. 001978599 O. 001978599 O. 001978599 O. 001978699 O. 00197879 O. 001978699 O. 00197899 O. 00197899 O. 00197899 O. 00197899 O. 00197899 O. 00197899 O. 0019789 O. 00197899 O. 0019789	PETTPESSION	MON	IS THE REST 2	MODEL FOUND. R SQUARE	0.8) = 64.2859735				
Perpession 3	POTENTIAL 18				SUM OF	MEAN SQUARE	4	PROBYE		
NATERICEPT 0.011 R4397 0.000002779 0.03839704 19.93 0.000002779 0.03839704 19.93 0.000002779 0.000002779 0.000002779 0.00000002 0.04826837 25.04 0.00000002 0.04826837 25.04 0.00000002 0.04826837 25.04 0.048161 15.146 0.04826837 25.04 0.048161 15.146 0.04826837 25.04 0.048161 15.146 0	131 Free FT		PEGPESSION FURTAL	3 81	0.15027365	0.00197659	~	0.0001		
NTERCEPT 0.03184397 0.00002779 0.00339704 19.93 0.0000000000000000000000000000000000					STD ERROR	=	u.	PR.CB.>F		
WARIABLE DET34 ENTEPED R SQUAPE = 0.85461513 C(P) = 61.21695530 VARIABLE DET34 ENTEPED R SQUARE = 0.85461513 C(P) = 61.21695530 F F PI DF SUM OF SQUARE SUARE SUARE FPI F F PI TT	VARIABLE DITTAL ENTERED B SCUIAPE = 0.85461513 C(P) = 61.21695530 VARIABLE DITTAL ENTERED B SCUIAPE = 0.85461513 C(P) = 61.21695530 FEGRESSION 74 0.1447650 0.60188007 113.16 0.0014476 0.60188007 113.16 0.0014476 0.60188007 113.16 0.0014476 0.60188007 113.16 0.0014476 0.60188007 113.16 0.0014476 0.60188007 0.60188007 113.16 0.0014476 0.60188007 0.60		14TFPCEPT 0413 05133 05733	0.03184397 0.00316176 0.0000005 -0.00000005	0 00000 279 0 00000000 0 000000000	0.03839704 0.10206733 0.04824837	19.93 52.98 25.04	0.0000		
VARIABLE DIT34 ENTEPED R SQUAPE = 0.85461513 C(P) = 61.21695530 PIGNOR F PP FEGURESTON 77 TOTAL 0.859573780 TOTAL 0.00147621 TOTAL 0.00147621 TOTAL 0.00147621 TOTAL 0.00147621 TOTAL 0.00147621 TOTAL 0.00188007 TOTAL 0.0014777 TOTAL 0.0014777 TOTAL 0.0014777 TOTAL 0.00000000000000000000000000000000000	VARIABLE DFT34 ENTEPED R SQUAPE = 0.85461513 C(P) = 61.21695530 F P]	- 1	1 S THE REST 3 V	MODEL		•				
77 0.04476.21 0.00188007 113.16 0.0188007 113.16 0.04476.21 0.0488007 113.16 0.0488007 117.2 0.0488007 117.2 0.0000000000000000000000000000000000	77 0.85997260 0.21274315 113.16 0.14476521 0.06188007 113.16 0.043476521 0.06188007 113.16 0.043476521 0.062437 0.06386426 0.06000000000000000000000000000000000	>	E DIT34 ENTEPE	R SQUAPE	0. 85461513 SIIM OF SOUARE	(P) = MF AN	ц	PROBSE		
9. 02941340 9. 02941340 9. 02941340 9. 0200000000000000000000000000000000000	9.02961340 0.02961340 0.027011772 0.00000003 0.0011772 0.00000003 0.001481217 0.00000003 0.001481217 18.52 0.000000001		Z		1 000		13.1	0.0001		
0.02961340 0.02961340 0.00000002437 0.00000002437 0.00000002437 0.00000000000000000000000000000000000	0.04386424 23.33 0.00.0002437 0.04386424 23.33 0.04386424 23.33 0.00.0000000000000000000000000000	4,0		· ·	STD ERROR	=	u	PROB> F		
			19, ERCEPT 00 17.3 00 17.3 00 17.4	0.02961360 0.0001360 0.0000008 -0.0000008	0.000000000000000000000000000000000000	0.04386424 0.03481217 0.00451419 0.20550844	www	0000		
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Priggs SSION FRROG TOTAL	7 L L	0.85585423 0.13988357 0.0957378G	0.21396356	117.78	0.0001	
	•	TO FFRO	TY PE 11 SS	u .	PROB> F	
1.1FF (CEPT) 1.1FF	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00002432 0.00000000000000000000000000000000000	0.04925277 0.11252203 0.01341583 0.01858217	27-11 61-94 10-73	00000	
MODEL 15 THE REST 4 VAP	JARLE MODEL FOUND.					
ARIABLE DETLY ENTERED	F SOUARE	= 0.86577590	C(P) = 52.99027945	u	PR OR SE	
Propession range range	2.4.4.A.1.1	0.8620A5A 0.1336520 0.995737A	0.1724171	98.04	.0.0001	
	A VALUE	TO FRRO	TYPE II SS	U.	PR08>F	
00133 00133 00133 01134	40000000000000000000000000000000000000	0.000000000000000000000000000000000000	0.01848981 0.01848981 0.00623157 0.0093769	40000000000000000000000000000000000000	000000000000000000000000000000000000000	
MODEL IS THE REST 5 VAR	MODEL			!		
VARIABLE C202 ENTEFED	t	= 0.87797299	C(P) = 43.81402107	u	PRORVE	
ER GRESSION FREGRESSION TOTAL	\$ F. &	0.8742309 0.1215069 0.9957378	400	89.94	0.0001	
	B VALUE	STD EPAG	TYPE 11 SS	u.	PROBSE	
0713 0713 0703 0713	0,000,001	0.000002556	0.02522661 0.12382682 0.01214510 0.01722981	76.43	200000000000000000000000000000000000000	
CE!	- 1, 0000 C 3.3	000000000000000000000000000000000000000	01346	JAN I	וססי	
34 WENIATEN AY NETS4	PS RIARE	= 0.87842783 SUM OF SQUARES	C(P) = 43.397245H5 MEAN SQUARE	u.	PROB>F	
91.67.5510H F9.00R TOTAL	4. K. K. K. K. K. K. K. K. K. K. K. K. K.	0.87468380 0.12105491 0.99573780	0.14578063	90.32	1000 0	·
	7	STO EPRO	TYPE 11 SS	u.	PROBYE	
. 141FRCEPT 05.13	0.03.27.4.82 0.05.05.04.11 0.05.00.05.00 -5.70.06.00 -0.50.00.05.00 -1.50.00.05.00	0.00000314 0.00000030 0.000000000 0.0000000000000	0.02363494 0.09950692 0.01391466 0.01495639 0.01495639	614 614 614 64 64 64 64 64 64 64 64	000000000000000000000000000000000000000	
				۲		

6 DET 13	REOLACED BY DET14	MAXIMUM R-SOL	APF IMPROVEMENT FOR = 0.87843330	OR DEPENDENT VARIABLE TS			
	PEGRESSION FROR TOTAL	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	SUM OF SQUARES 0.87468225 0.12104855 0.99573780	MEAN SQUARE 0.14578154 0.00161399	90.32	PRUBSE 0. 0001	
		8 VALUE	STD ERROR	TYPE II SS	ů.	PROBYF	
	1NTERT.EPT DET33 DET44 170 05114 OFT03	01000000000000000000000000000000000000	0.000000000000000000000000000000000000	0.02392217 0.09392217 0.01363595 0.01533423 0.02712285	419 419 419 100 100 100 100 100 100 100 100 100 1	0.0000 0.0000 0.0000 0.0000 0.0000	
ABOVE MODEL	S THE P	MODFL FOUN					
7 VAFIABL	BLE DETI ENTERED	P SQUARE	= 0.88600107	C(P) = 38.45784752			
		DF	SUM OF SOUARES	MEAN SQUARE	u.	PROBYF	
	REGRESSION	7	0.88222476	0.12603211	82.16	0.0001	
	. TOTAL	#	0.99573780	96555100.0			
		B VALUE	STD ERROR	TYPE 11 SS	u.	PRO8>F	26
	INTERCEPT NOTI	0.02542434 0.0000647 0.00006198	0.0000292		46	• •	
	DET34 06 T44	- C. COCOCOO! 0. 0000C612	000000000000000000000000000000000000000	0.01595934 0.01517925 0.01337123	2000 0000 0000 0000	0000	
	A	-3.000000-5	0.00000012		15%		
7 NFT 44	PEPI AFFO BY NET24	P SOUAPF	= 0, 88893706	C(P) = 35.76757980	•		
		ŊF	SUM OF SQUARES	MEAN SQUARE	u.	PROB>F	
	FICEFSSION .	7.4 P.1	0.88514824 0.11058956 0.99573780	0.12644975	19.48	0.0001	
		A VALUE	STO ERPOR	TYPE II SS	u	PRO8>F	
	INTERCEPT OF TH DET3	0.03172443 0.00000797 0.00007047	0.00000294		100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	1315 1215 1215 1215 1215 1215 1215 1215	3.300300377 3.30000516 -3.0000001 -1.000000352	0.0000000000000000000000000000000000000	0.0054727 0.005000 0.00146761 0.05966786	2003	0000	
		10000000	10000000	5	77077		,

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	APRIL 25,															
	HONDAY, A	0.0001	PROBYE	000	0000		0.0001	PRO8>F	000000000000000000000000000000000000000	0000 0000 0000 0000		0.0001	PROBYE	0000	00000	
	13:10	85.34	4	22-11	22.85 40.58 10.03		89.81	u.	320	23.97 36.80 14.09		93.79	u.	-	106.37 27.86 5.27 12.62	σ
	Y S 1 S Y S T E M DEPENDENT VARIABLE TS C(P) = 34.99536442	MEAN SQUAPE 0.12656963 0.00148311	TYPE II SS		0.00727795 0.00338850 0.00318850 0.01487164	C(P) = 30.50378881	MEAN STUDAPE 0.12726701 0.00141714	TYPE II SS	0121596	0.033[6445 0.03397185 0.05214967 0.01596204		MFAN SQUARE 0.12783853 0.0136308	TYPE II SS	02.82	0.0379774 0.03797249 0.00719474 0.01719474	
	I C A L A N A L ARE IMPROVEMENT FOR	S'IH OF SQUARES 0.88598740 0.10475041	STO ERRO	0.00000273	0.0000000 0.00000000 0.000000000000000	9468241	STIN UF SQUARES 0.89086910 0.10486871	. 99573 STD EP	00002345	+00- 00-00 0000 0000 0000 0000 0000	0.89970016	SIIM TOF SQUARES 0.89486973 0.10086908	STD EF.ROI	CCC	0.0000000000000000000000000000000000000	- A-0
	MAXIMUM P-SOUL	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	R VALUE	0.00001284 0.00020436 0.000000436	- 0.0000001 - 0.0000001 - 0.0000001 - 1.0000001	R SOUARE	74	R VALUE	0.0006 F695 0.00001262	0.0000001	υE	7 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B VALUE	-0.001 03240 0.0000 0593 0.0001 8463	- 0.0000003 - 0.0000003 - 0.0000003	
	DFT3 REPLACED BY PFT2	FGAPESSION FROOD	le	1 NTERCEPT NGT 1 NGT 3 NGT 3	0 17 17 14 0 17 14 0 17 13 4	C2D2 REPLACED BY CL1	REGEESSION FERNA	לטנש"	TATEBUEDS CLI CLI DEST	0 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PET14 REPLACED BY DET12	PF.C2F.SSION] WI=P(EPT	0.7134 0.7179 0.7179 0.7179	
	STEP 7					STEP 7		H-4			STFP 7					

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	0.0001	PROB>F	00000	000		PROBYF 0.0001	PROB>F	0.0001	0000		PROBSE	• •	PROBSE	0000	0000
	102.39	ıL	23.68 52.66 8.58 8.58	11 81 53 77 13 72		105.56	ıL	200	19-06 56-21 38-65 38-65		105.75	: 1	L	12.39	527 527 538 538 54 54 54
ARIABLE TS •74884515	S51	SS	6000	61 22 78	929881	486 486	SS	80 08	22 6 446 60	.27A17568	RE	2294	SS	922	19 197
7	0.12993651 0.00125922	TYPE 11	0.02982443 0.06630990 0.01080202	014870	17.4092	EAN SQUARE 0.12929971 0.00122486	TYPE II	0.027810	0.02334451 0.06885226 0.06938944 0.04758160	17.27	N SQ	0.001222	TYPE 11	0.01515278 0.01295592 0.13815979	064665 065194
R DEPENDENT			0000		C(P) *			_		c(P) =	ME				
EMENT FOR	90255560 0931A220	ERRCR	000054683	711 000 000 000	17	500ARES 90509796 09063985	ERROR	053794	00000000000000000000000000000000000000	27	SOUARES	0.09049736	ERROR	000052795	000000 0000000 00000000
AFE IMPROVEMENT = 0.90641894	SUM OF 90		0000	600 600	0.908	2 40 MIS	···	000	0000	0.90911527	SUM DE S	0.00	STO	000	000
P-SOU		L UE	5 73 9 51 0 5 7	219 006 002	SQUARE =	9	VALUF	575 056 070 000	286 063 006	SQUARE =			ALIIE	2 49 9 40 5 71 0 31	787 0.15 0.15
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	COSTSSION COB NO TOTAL	1.0.7. 1.0.7.	0. 92737939 0. 96835871 0. 99573786	0.00193685	70.96	0.0001
		H VALIE	STN ERRGR	TYPE II SS	u.	PR08>F
		-1,06205822 2,00006031 -1,00006031	0.00002560	0.02680461 0.00422201 0.00358861	26.66	0.0001
	11 11	7,000,000	00000000	.005293 .037876	5.2	0.0048
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	71	[0000000 */-	0000000	003730	2.C	0.0000
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STEP 14	VACIFALE 1172 PLITABLE	1 SALIABE	= 0,93751322	C(P) = 9.83851081		
		, DE	CHM THE KNUB RES.	MEAN SOUNE	4	PROBSE
	THEORY SAIRM	Δ. a	0.92452946	0.06632413	64.13	0, 0001
		H VALIE	STD ERROR	TYPE II SS	u.	PR08>F
	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	0.0076 PTRG	0014535	.026600	N.	1000.0
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	\$ c.1	0.0000000	0202020	00,4238	~	0.0437

TFP 15	MAP LABLE (1) THE FEEL	E SOURCE	= 0.93389192	C(P) = 10.57519440			.=1
		Julius du Line	S4Ukii	MEAN	1	PRUBSE	
	Frence Tanal	5 T T T T T T T T T T T T T T T T T T T	0.02091149	0.06159210	62.16	0.0001	
		P VALUE	STO FPROR	TYPE II SS	ı	PROBYF	
		-0.016491643 -0.0002693 -0.00012357	001 59 68 0001 388	000265		136	
		6.6250FDF - C-	0600120 0000411 0000000	004612 001372 006982	4	035 244 010	
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		the same open control to a difference open control to a	S.JM OF SQUARES	MFA'N SQUARE	4	PRICHOF	
	NOTS STATE	2 + 7 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	0.06464141 0.06464141 0.00572780	0.06207309	63.38	0.0001	
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		W- OF SQ	MFAN_SOUAPE	-	PRUBJE
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	H VALUE	STD FPROR	TYPE 11 SS	u.	PR08>F
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	-C. CAOO 1143	0200018	037938	0	
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	F SQUAPE	= 0.93716987	C(P) = 7.57159711		
	JU	SIIM NE SQUARES	MEAN SQUARE	-	PRUBSE
1	244	0.06256234	0.06221177	65.63	0.0001
	A VALUE	STN ERROR	TYPE 11 SS	u.	PRO8>F
	-0.08146410 0.0081748 -9.0084104	0.00150342	0.02944093	31 006	000000000000000000000000000000000000000
	0.02000.0	0000104		C.	09000
	0, 1602 62 56	00000576		,00	18-000000000000000000000000000000000000
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	-0.000001216	7100000		0.4	10000
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153-15465981	REGIFESSION LARGIR TATAL		-SHW HE-SULARES-	HEAN SOUTHE		
H VALUE			759.72422981 153.16465908 912.88888889	759.72422981	34.72	900000
		H VALUE	STD ERROR	1	u.	PROBSE
THE HEST 1.VARIABLE MIDEL FRUIND. CL.2 ENIFERED R SONARE = 0.87760702 C(P) = 5.93843678 F	ì		0.01058660	56	34.72	0.0006
CL. ENIFFREID K SCHLARE = 0.87760782 C(P) = 5.93843678 REURESSTHIR 2 801.15842918 400.57921458 21.51 FREUR 111.7304591 18.62174328 21.51 FREUR 111.7304591 18.62174328 21.51 FREUR 111.7304591 18.62174328 21.51 FREUR 111.7304597 111.7310937 2.23 FREUR 111.73419937 2.23 21.51 FREUR 111.73419937 2.23 21.51 FREUR 11.0100933 2.23 21.51 FREUR 11.010093 3.49545438 2.23 FREUR 11.010093 3.49545438 2.23 FREUR 11.23863595 2.23 FREUR 11.23863595 2.24 FREUR 11.23863595 2.24 FREUR 11.70714506 0.63804646 110.23863595 2.41 FREUR 110.23863595 2.24 2.54 2.54 FREUR 110.23864568 110.2586379 <td></td> <td>Maine Foon</td> <td></td> <td></td> <td></td> <td></td>		Maine Foon				
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R SUILARF # 0.93844467 C(P) # 3.49545438 DE SUIM OF SOUARES HEAN SOUARE F # 856.69570915 285.56523638 B VALUE STD FRROK TYPE II SS F -6.00953409 0.62017365 110.40563379 O 1192291 0.0380464 -0.05264159 0.03804964	THE REST	VAR TABLE	Bayerine + 0 - App.			
## SIM OF SQUARES HERN SQUARE F	TABLE DETS ENTERE	R SOUARF				
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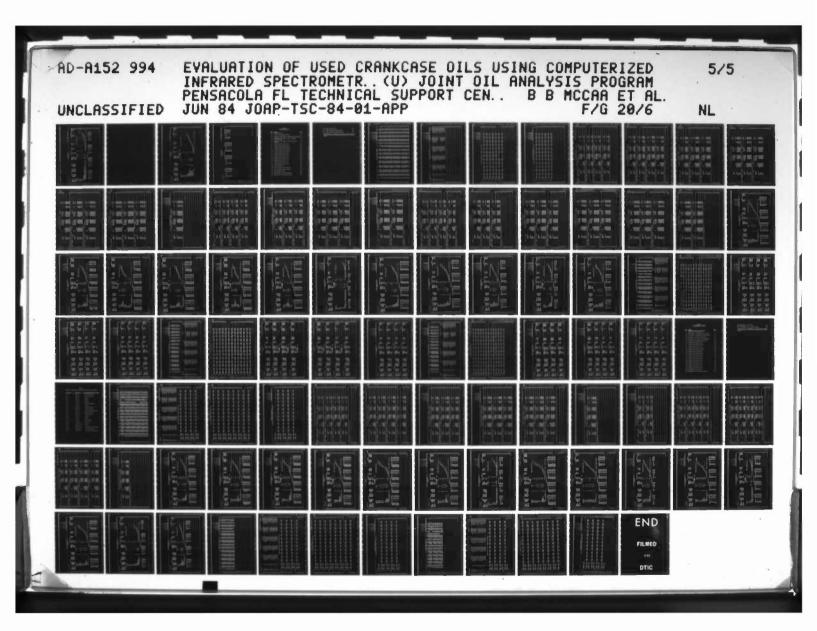
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^{*} These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.

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u	19.32	u.		30.64 7.13 3.52		L.	17.40	T.	0000			ıL	15.65		28.32	1				
ų	H4	SS	23 65	8448 8450 81		.14947509 GUARE	93	SS	255	# C C	.70580053		29	10	2340	446				
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	2011		39	319 74 36		c(P) =	175		64	247	e (a) 3		155	23	355	222				
M 11E SOUMES	J C	STI) ERRUR	0133641	0.57348894 0.00000493 0.00105900 0.000000032		233 SOUARES	9-160	STD ERROR	00163996 665335 6653585	00000032	412	SOUARES	61995993 58818821 20814815	0165240	56538914 00000012 000000569	00000032				
2114 115	064	S	oc	occc		= 0.72581	2312.		6000	060	-0.7356441		12479.							_
		VALIIE	94986 60292 85236	72031 02729 62708 00059	EL -FOUID.	K SOUARE	de con	VALIE	17892 11626 02297 14513	18288 00068 00080	EL FOUND.			11209	44341 00016 03026	725#9 00070 00077				
4	4.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	=	104.46B	-1.07472031 0.00002729 -0.00282708 0.00000059	-VARIABLE MODEL	. 4	46 53	30	104.82117892 -0.00411626 1.56002297 -1.13614513	0000	VARIABLE MODEL D	PF	i	105.835	00000	0.00272589	1			
	STUR		ЕРТ		9	ENTERED	SIUN		149		7 ERE		SION	EPT				·		
7	REGRESSION FRRIA TOTAL		INTERC DET4 FD1	FD2 DET33 C204: 0104	-THE MEST	6204	REGRESSION FRUR TOTAL		- INTERCEPT- UFT4 F01 F02	0204	THE REST		-REGRESSION-ERRUR	INTERCEPT DET4	F02 0ET11 0FT33	0104 0104 0204				
1	the capture of grant and the				-MODEL-15	VARIABLE	The state of the s				MUDEL 15									
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PROBSF 0.0001	0.0057 0.1010 0.1010 0.01010 0.01010 0.0520 0.0520	PR08>F 0.0001	00000000000000000000000000000000000000	PR08>F 0.0001	00.000 00.000 00.02442 00.08889 00.0889		
F 16.11	& & & & & & & & & & & & & & & & & & &	F 16.28	010714 000004 0000004 000000000000000000	14.36	2011 2011 2011 2011 2011 2011 2011 2011		
C(P) = 1.89267326	うていまう (1)	C(P) = 1.60475794 HEAN SOUARE 1575.95509980 96.81260777	919, 81794926 156, 54792748 88, 65045923 730, 56431468 431, 84857452 190, 01187476	3.1 AN SQU 94286	904.5051520 119.95623096 296.32030969 2077.35257388 386.02096430 219.0368412 80.4365218		
= 0.74122442 SIM OF SOUARFS 12574,20537850 4349,92276965 16964,20814815 STD-ERKOR	0.001 80904 0.55 892066 0.00000011 0.00000052 0.00000024 0.00109021	9065 SOUA 564079 56734 20814	0.00000166 0.7352034 0.0000017 0.00000017 0.00000024 0.00113361	SUM OF SOUARES 12654.72194068 4309.4862047 16964.20814815 STD ERRON	0.00190144 0.762784348 0.62778434 0.00100022 0.001115946 0.00000025		
LIF K SOCIARE 533	10.6 07235957 -0.005257857 1.45699709 -0.00000000000000000000000000000000000	R SQUARE	105 .55321963 -0.00582359 -0.00582359 -0.5690768 -0.00000047 -0.00000005974 -0.0000000051 -0.00158814	VARTABLE MODEL FOUND. R-SQUARE DE DF 9 44 53	105.71358850 -0.00577832 -0.60577832 -0.66917296 -0.6000376 -0.00000376 -0.00000342 0.00000342		
D2D4 REPLACED BY DET44 REGRESSION LREUR TOTAL	1N1 ERCEPT DE14 F02 DE133 DE144 DE144	DIO4 REPLACEU BY DIO3 REGRESSION LARUR TOTAL	INTERCEPT DE 14 FD1 FD2 FD3 DE 13 UE 134 U 103	MODEL IS THE HEST B VARIABLE - 1104 ENTERED REGRESSION - FRRING TOTAL	1476KCEPT 0674 6071 6071 6071 0673 0103 0104		
STEP		STEP 8	1-8	THE ABOVE		2 1 2 1 2 1 1	

	0 2273	ושאהו	148, 17390666 382, 43664384 123, 57765023 56, 54501839	0.0000235 0.00000078 0.00001066 0.00000528	0.0000288 0.0000154 0.00001193	0102 0102 0203 0304 0304
	154			0.00001582	-0.00004449 -0.0000034499	DE 133 DE 133 DE 144 C 204 C 105
	394		293-31372776 73-11906643 87-61269057 352-69289200	0178954	0.00461995 0.00461995 0.87613721 -0.59804997	16.74 16.74 16.74 16.75
•	PRUBSE	u.	TYPE 11 SS	STI) ERROR	H VALUE	
	0.0001	11.81	1165.36742212	12819.04164332 4145.16650483	111	AFGRESSION EARON TOTAL
	PROBSE		C(P) = 5.78000075	- 0.75565223	R SOUARE	VARIABLE 0304 ENTERED
			0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		MODEL-F	ABOVE-MODEL-15-THE BEST-10-VA
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.:	0.0226	2004 2000 2000 2000	546.67528555 198.25475089 395.09077604 2423.4001851	0.62638524 0.00000029 0.00000029	1.48158764-0.000000057	FN1 FN2 DET11
	•		- ^	STO ERRO	4056597	INTERCEPT
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	0.0660 0.0660 0.0465 0.1492 0.2706	2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 4 3 4 3 4	216.34312584 344.3496533 247.12021481 220.73810501 120.79811324 417.17885482	0.5648844 0.50600023 0.50600023 0.506113450 0.00600182 0.006000063	-0 83370750 -0 000000044 0 00003168 -0 0017318 -0 00000203	FIRE DE T33 DE T44 C254 D134
	0.0032		9142		105.62823473 -0.00604620 1.49983533	INTERCEPT NET4 FUL
	PROHSE	u.	TYPE II SS	STO EKROR	Is VAL'IE	
	0•0001	14.54	1410.56491019	12695.08419175 4269.12395640 16964.20814815	53	REGRESSION ERROR TOTAL
q ·	PR()8>F	u.		SOUARE	L.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			C(P) = 2.84996928	# 0.74834523	R SOUARE	DID3 REPLACED HY DID2
	THE PARTY SOUR		PROPANE	FIRED & CYL. IMPER		

1		u.	166.79584031 11.87 0.0001 98.32033106	TYPE 11 SS F PROBSF	70H75	7.83166657 7.82014657 7.82014657 7.86090451 7.86090451	06.42925650 77.10096812 4.85 0.0	# 4.89774032 MEAN SOLINE	174.65934830 12.20 0.000	TYPE II SS F PROBYF	50195578 3-58 0 76650733 6-81 0 55687639 1-70 0	15.4822462 20.21846471	24.5690678 0.516 29.65438647 1.35 0.252	# 4.66101976 HEAN SQUARE F PROBSF	177.152	TYPE II SS F PROBYF	64041703 20008638 1086359 41566359 8960 0	52.7043784	00.76110519 1.05 0.55 0.55 0.05 0.05 0.05 0.05 0.05	
24.000000000000000000000000000000000000	0.75657845 C(P) =	SULIARE	75424346 45390469 20414815	TO ER	62043968 62048801 00000029 00001191	00424182 00139660 00000234 000000081	.00000871 .00000328	.76167733 C(P)	.25283131 .95531684 .20814815	510	00243790 00000028 00001483	00444455 00563972 00177144 00000232	00001373 00000413	.76329394 C(P)	67726138 1 1 53088677 20814815	12	000232267 -000000028 -00001072	001 52339 00299359 00707998 001 75533	.00000102 .00000103	And the second company of the second company
	Statale	ηĿ	42	H VALUE	31110	-0.0029194 -0.0029194 -0.00000222 0.0000129	0.00001770	R SOUARE	11 422 533	B VAL	32268857 0000391323 00003871 000003871	00492394 00868377 00415729 00000207	000	R SOUAR	11 42 53	B VALUE	444000 440000 600000	000975 007639 014091	000000000000000000000000000000000000000	And the contraction of the same of the sam

	D3D4 REPLACED BY FD) RECKESSTOR RECKESSTOR FOR 13 DET 13
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THE PROPERTY 1	FEGURESTINE 1	WARNINGS 7 (185) STEP 1 VARIABLE	STRVATIGAS DELETED DOC F DET33 ENTERED	DDC Terressing va	0.59760012	G(P) = 119,38429030			
				Į.	SIIM IIF SQUARES	HEAN SOUARE	_	PRUBSE	
		- Appendix and the second	REGRESSION ERROR TOTAL	52 53	107.57073953 72.43340862 180.00454815	107.57073953	11.22	0.0001	
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	Figure STURE STURE STURENCE FORT STURENCE FORT STURENCE STURE	INE	DIE BEST 1		- 0.76932058				
FIGHESSIUM STATE 141.573120295 69.24060148 85.04 0.0001	REGRESSION STOCKER 131-649120295 STOCKER STOCK			10F			u.	PROBYF	
INTERCEPT 3-1466494 0.0000006 137.1754287 196.48 0.0001	WILEGREEN U. VALUE STD ERRINR TYPE 1 SS F PRIBAPE U. VALUE STD ERRINR TYPE U. STOROGOOD U		REGRESSION ERRIR THTAL	531	138-48120295	60	85.04	0*0001	
AMINYE MENER 13 - 1444-494 0.000000024 137.17524267 146.48 0.0001 3 VARIABLE INETS ENTERED DE SUNKE B. 0.00087242 14.554.267 14.69.48 0.0001 4 VARIABLE INETS ENTERED DE SUNKE B. 0.0008641 17.09290546 10.30 0.0001 4 VARIABLE INETS ENTERED DE SUNKE B. 0.0008641 17.09290546 10.30 0.0001 4 VARIABLE INETS ENTERED DE SUNKE B. 0.0008641 17.09290546 10.30 0.0001 4 VARIABLE INETS THE MEST 3.VARIABLE MJDEL FULMID. C(P) = 30.04430313 F PROBER 4 VARIABLE INETS THE MEST 3.VARIABLE MJDEL FULMID. C(P) = 30.04430313 F PROBER 5 SUN GE-SOURCES HEAN SOURCE B. 0.00011 4 VARIABLE INTERED DE SUNGE B. 0.000000000000000000000000000000000	ANNYE MODEL IS THE MEST 2 VARIABLE FUND. 3 144-374049 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE HETS ENTERED DF SOURCE OF CORONOOS 4 VARIABLE NORTH HETS OF CORONOOS 4 VARIABLE NORTH HETS OF CORONOOS 4 VARIABLE NORTH HETS OF CORONOOS DF SOURCE OF CORONOOS DF SOURC			B VALUE	STID ERROR	Ξ	u.	PRUB>F	
3 VARIABLE NETS ENTERED B SCUARE = 0.80872461 C(P)	AUTHER LISTING BETT 2 VARIABLE HUNDEL FOUND. 3 VARIABLE DETS ENTERED B SOURCE = 0.80872461 C SCH OF SOURCES HEAR SQUARE F PROBYF F	A management of factoring of the control of the con	INTERCEPT NET33 0103	3.11464494 0.00000308 -0.00000051	0.00000024	37.17524	90	0.0001	
PEGNESSTUN S	HEGRESSIUN 53 145.574/944 49.524.00290 70.47 0.0001	MODEL 1	THE BEST 2 NET3 ENTERED	MUDEL R S	B 0.80872461	1			
REGRESSTUN Sign 145-374984 A8.58470280 70.47 0.0001	RECHESSION 53 145.4304.91 649.5470240 70.47 0.0001			DF.	SUM OF SOUARES	MEAN SQUARE	u	PROBYF	
INTERCEPT 2, 2297531 0,00086681 1,09290546 10,30 0,0023 10,102 10,100 10,10	1 1 1 1 1 1 1 1 1 1		REGRESSION FRANK FRANK TUTAL	50	145.57410841 34.43043973 180.00454815	0.68860879		0,0001	
Total The Best Conditions	The control of the		the same of the sa	IS VALUE -	STO-ERROR		4	PROBSE	
4 VARIABLE D2D3 ENTERED R SQUARE = 0.82400071	4 VARIABLE 1213 ENTERED R SQUIARE = 0.82400071 (CP) = 30.0H430313 F PROBSE WEGKESSTUM 49 148.32397561 37.08096890 57.35 0.0001 ENVIR 148.32397561 37.08096890 57.35 0.0001 LITTENCEPT 2.31923446 0.00090732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 2.3192346 0.000900732 3.37884043 5.23 0.0266 INTERCEPT 3.310735729 40.39 0.000900732 0.0009000732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.0009000732 0.0009000732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.000900732 0.0009000732 0.0009000732 0.000900732 0.000900732 0.000900732 0.0009		INTERCEPT DET3 DET33	2 32937531 0 00278194 0 00000187 -0 00000066	0.00086681	1-Nr	010 08.4 04.4 44.4	0.0001	
4 VARIABLE 1121)3 ENTERED R SQUARE = 0.82400071 C(P) = 30.04430313 DF SQUARE = 0.82400071 C(P) = 30.04430313 REGRESSIUM 49 148.32387561 37.08096890 57.35 0.0001 ERRING 53 10.00011 B VALUE STD ERRINR TYPE II SS F PROBPE INTERCEPT 2.31923046 0.000000003 13.37884043 55.23 0.0266 DF 73 0.00207418 0.000000004 15.31075229 40.25 0.0001 DF 73 0.00000059 0.000000009 25.74976719 40.25 0.0045	4 VARIABLE 19213 ENTERED R SQUIARE = 0.82400071 C(P) = 30.04430313 F PROBSE HEGRESSIUN 49 146.500ARES HEAN SQUARE ERRING 49 146.5000.0000.0000.0000.0000.0000.0000.00	ABINE MODEL1	THE BEST 3	MUDEL					
44 148-32387561 37.08096890 57.35 0.0001 53 180.00454815 0.64654434 5.23 0.0001 7 18 18 23 19 23	49 149.32387561 37.08096890 57.35 0.0001 53 68067254 0.64654434 6 180.00454815 TYPE II SS F PROBSF 7.00207418 0.00000032 3.37884043 5.23 0.0266 7.00207418 0.00000043 5.23 0.0266 7.0000059 0.00000009 25.11075229 40.39 0.0001 7.00000059 0.00000028 25.11075229 40.39 0.0001	7	0203	R SUHARE	_	(P) =	•	PROBYE	
2.31923046 STD ERROR TYPE II SS F 2.31923046 0.00090732 3.37884043 5.23 0.00207218 0.00000009 25.3788789 40.39 -0.00000059 0.00000028 2.74976719 4.25	2.31923046 0.00090732 3.37884043 5.23 0.0266 0.00207418 0.00090732 3.37884043 5.23 0.0266 0.00200059 0.0009009 26.11075229 40.39 0.0001 0.00090059 0.00010028 2.74976719 4.25 0.0445		KEGKESSIUN ERKUR TUTAL	464 33	148.32387561 31.68067254	37.08096890	51.35	0,0001	
2.31923046 0.00207418 0.00000045 3.37884043 5.23 0.00000059 0.00000069 25.11075229 40.39 -0.00000059 0.00000028 2.74976719 4.25	2.31923048 0.00090732 3.37884043 5.23 0.0266 0.00207418 0.00000043 2.23 0.0001 0.00000738 0.00010043 2.23 0.0266 -0.000000518 0.00000028 2.74976719 4.25 0.0445			H VALUE	STD ERROR	=	L	PROBSE	
-0.00000050 0.00000028 2.74976719 4.25	-0.000uu05u 0.000nn028 2.74976719 4.25 0.0445		INTERCEPT DE 13 nE 133 DE 133	2.31923048 0,00207418 0.00000218	0,00090732	3,37884043 15,378647899 26,11075229	23.5	0.0266	
			0203	-0.00000058	0.00000028	2.74976719	4.25	0.0445	

S and a second			FORD & CYLINDER (PR	ROPANE	14:36 WEDNESO	EDMESOAV JUNE 6. 198	7
		MAXINUM R-SOUAR	E IMPRIIVEMENT FIIR	DEPENDENT VARIABLE TAN			
STEP 4 DET3 REPLA	REILACED BY DET4	SOLIARE	- 0.83993051 C	C(P) = 23.3788862			
		10.6	SUM OF SQUARES	MEAN SQUARE	u.	PROBSF	
325	REGRESSION ERRUR TOTAL	4.9 53	151-19131219 28-81323595 180-00454815	37.79782805 0.58802522	64.28	0.0001	
		II VALUE	STD ERRDR	TYPE II SS	L	PROBYF	
	333 333	2.83519751 0.00019186 0.00000272 -0.0000050	0.00000023 0.00000023 0.000000023	6.24627702 80.48196502 28.06360273 12.69673778	10.62 136.87 47.73 21.59	0000	
ABOVE MODEL IS	THE BEST 4 VARIABLE	E MUDEL FOUN	0.8447427	22.50905198			
ABLABLE	- 177-EIII EBEH		SUN OF SOUARES	MEAN		PROBYF	
277	REGRESSIONFIRDS		152-418540\$1 27-58600764 180-00454815	30.48370810	53.04	0.0001	
	And the second s	B VALUE	STD_ERROR	TYPE 11 SS	4	PROBSE	
	ia l	2.82550688 0.00011658 0.00000011 0.000000044 -0.00000191	22220	35472 35472 35472	135.25 135.28 21.88 21.88	000000000000000000000000000000000000000	
ARRIVE MODEL 15	THE BEST S VARIABLE	MUDEL	化机械电子 医乳球性 医甲状腺 医甲状腺 医甲状腺 医甲状腺 医甲状腺 医甲状腺 医甲状腺 医甲状腺				
STEP. 6 VARIABLE D	U2J4_ENTERED	R SOUARE.	SIJM UF SQUARES	10) - 18.53719509 MEAN SQUARE	L.	PROHSF	
324	REGRESSION FREDR TUTAL	54.0 37.0	154.97228584 25.03226231 180.00454815	0.53260133	48.50	0.0001	
		R VALUE	STO ERROR	TYPE 11 SS	u	PROBSE	
-63500	1016RCEPT DE14 DE122 DE133 DE133 DE133	2.84212282 0.00000052 0.00000052 0.00000056 0.00000056	0.00010476	3.72732000 3.72732000 3.580464301 29.12233684 15.03247925	100-67 100-67 284-68	100000 100000 1000000 1000000000000000	
	0	0.0000024	0.0000011		• 1		

	VARIAIILI (201 E41	EATERED & SOUALF	* 0.26836721 Stin De Souares	C(F) # (7.40HHB029 HFAN SUINKE		PROBSE
The best and the best and the best and the best and the best at	5	1408	156.3100471 23.6945009 180.0045481	2.3300067 0.5150978	3.3	0.0001
The BEST B VARIABLE HUDGE FOUND. 10,000,000,000,000,000,000,000,000,000,		NACA C		YPE 11 S	<u>.</u>	PROBSE
15 THE THE PLANT 15 THE PLANT	14.5E.Z.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	3.806374 4.136645 1.337761	500	00002
STHE WEST 7 VARIABLE MORE FUND. STAGAGUS	~	000000000000000000000000000000000000000	000000000000000000000000000000000000000	856717 892437	CIO	0.0001
THE RECESTOR F	S THE	VARIABLE MODEL	. 0.8784407	(P) = 15.		
HERCESTON 45 158.1232559 19.7644172 40.65 0. HERCEPT 2.6442247 0.0001015 1.15776 1	-	116	IM OF SOLIARE	EAN	4	PROBSF
HERCEPT C. COLOGO C. COL	REGRESS! LIREDS. TOTAL		58.1233257 21.8812223 80.0045481	9.7654157	9.0	0.0001
HE CZ103 CONTROLLE CONTR			STD	YPE 11 S	ĸ	PRUBYF
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Still best by Variable Hudden Figure 14.71963200	~~ .	-0.00000248	0000000	6.0302082 2.5217867	5.1	0.0276
PECKESSION	IS THE B	8 VARIABLE MUNEL ERED R	* 0.88425860	(P) • 14.71963	ı.	3080
H VALUE STD ERRUR TYPE II SS F PR	RECRESS		159.1705706 20.8339775	7.6856189	7.3	000
He F F F F F F F F F		1	STD	PE 11 S	u.	
C203	101ERCEF 101	i	0.00010151	393		0.0039
IS THE NEST 9 VARIABLE M: IDEL FORMUD.	0201 0203 0203 0203 0204		0.00010347 0.00043635 0.0000024 0.0000043	3.207 1.047 1.133 6.350 2.361	4 4 MVO	0.0126 0.1441 0.0001 0.0001
	IS THE NE	9 VARTABLE H:IDEL				
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10 10 10 10 10 10	SUM OF SQUARES 161.42757118 18157697697	MEAN SOUARE 16-14275712		PROHNE
017	161.42757118	16.14275712		
		0.43202272	16.16	0.0001
B VALUE	STD ERRUR	TYPE II SS	4	PKNB>F
2.82434233 -0.00027968 -0.0000000514 0.00000514 0.0004784		るようららろ		000000000000000000000000000000000000000
0.00000172 0.00000000 0.0000025 0.0000025		-22		0.0001
THE BEST, 10 VARIABLE MODEL FOUND.				
R SOUARE	6	MEAN	u	PROBSE
11450 110750	162.04408702 17.96046113	14,73128064	34.45	0.0001
8 VALUE	STD ERROR	TYPE II SS	u.	PROBSE
-3-13111199 -0-001328866 -0-18165288 -0-00000059 -0-0000059	0.00117344 0.00010532 0.05205193 0.0000020 0.00012534	0.61651584 4.14760303 5.20809377 3.76199424 15.8641374	12.00 1.20 1.20 1.20 1.20 1.20 1.20 1.20	000000000000000000000000000000000000000
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REGRESSIUM LARIDAL TUTAL ABOVE-MUDEL 15 THE HEST- 1 V 2 VARIABLE C203 ENTERED						
REGRESSIUM FRUR TUTAL TUTAL NET33 -MUDEL 15 THE HEST- VARIABLE C2D3 ENTE		4572				e e
INTERCEPT DET33 -MUDEL 1S THE HEST- VARIABLE C2D3 ENTE		85.32496850 136.27201263	H5.32496H50 2.67200025	31.93	0.0001	
NUDEL 15 THE HEST-VARIABLE C203 ENTER	H VALUE	STD ERROR	TYPE II SS	u.	PRUB>F	
-MIDEL-IS THE HEST- VARIABLE C2D3 ENTER	0.00000203	0.0000036	н5,32496н50	31.93	0.0001	
	VARIAH	. 0.47834576				
REGRESSION	10 2000	SUM-DF- SOUARES- 105-9997670 115-59700443	52.9998835 2.31194009	22.92	0.0001	
TUIAL	B VALUE	STD ERROR	TYPE 11 SS	Œ	PROBSE	
1NTERCEPT	0.00000432 -0.00145322	0.0000084	61.69759061	26.69 8.94	0.0001	
THE	VARIABLE MUDEL FOUND.					
VAKIARLE DET4 ENTERED	NE SUUAKE	SUM OF SOUABFS	MEAN SOLIARE	u	PROBSE	
REGRESSION HRBB	m	19.9675250		19.28	0.0001	
TOTAL	52 B VALUE	\$21.59698113 STD ERROR	TYPE II SS	Œ	PROBSE	
INTERCEPT DE14 DE133	0.00001734 0.00001734	0.00008375	13 96754831 63 9873897	30.85	0.000	
ABOVE MODEL IS THE BEST 3	VARIA					
VARIABLE DETS ENTER	R SOUARE	* 0.57833351	C(P) = 0.89699027			
	DF	SUM OF SQUARES	MEAN SQUARE	4	PROBSF	
REGRESSION ERRUR TUTAL	44 48 52	128.15695951 93.44002162 221.59698113	32,03923988 1,94666712	16.46	0,0001	
	H VALUE	STD ERRUR	TYPE II SS	u.	PROBSE	
INTERCEPT DET3	0.00019897	0.00008163	8-18943450 11-56477026 38-19151233	19.21	0.0185	
ABOVE MUDEL IS THE MEST 4	VARIABLE MODEL FOUND.	1414600000		70.71	1000-0	
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K SUITAHE .	90	52	6 VALUE	1.93228324	-0.25526505 -0.000000004 0.00000778	-0.00025141 -0.00306971 -0.00000073	1 4	R SQUARE .	0F	52	8 VALUE	1.80615218	0.43131275 -0.00000004 0.00001022	-0.000000-0-	4	R SOUARE .	DF	2. Wu	R VALUE	0.00034940 0.00034940 0.00038627	0.42658795	-0.0000000 0.00001009 0.00025596	-0.00000068				
NETII ENTERED		REGRESSION ERRINA TUTAL		INTERCEPT DET4		C203 C203 0304	THE BEST 7 VARI	CL22 ENTERED		REGRESSION FRRUR		INTERCEPT DET4 FD1	CL 22 DET11 DE 133	C203 0304	THE BEST 8 VARI	DETT ENTERED		REGRESSION ERROR EDIAL		INTERCEPT NET1 DET4	FD) CL22	NET11 IET33 C201	0304				
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16.42403740	YPE I	996747	5-07926328 5-72192765 32-61037228	8.601524 2.645265	C(P) = 3.31238622	HEAN SQUARE	14.85589416	TYPE II SS	4.59096647	5.62564015 6.46453267 33.51467761	15.35813260 9.32226809 2.07744036	C(P) = 2.80807524	14.96324282	TYPE 11 SS	466 968 367	22.3772451 22.37755595 3.05518544	26447 50258 28279		
SUM OF SOUARES 147.81633658 73.74064456	21.5969811 STD ERRO	0003342	0.0000000000000000000000000000000000000	0000000	. 0.67040147	SUM OF SOUARES	148.55894161 73.03803952 221.59698113	D ERRO	0.00034557	0.0000000000000000000000000000000000000	0.00000028		149-63242817 71-96455296 1	STO ERRO	0003340	0.0000000000000000000000000000000000000	00019516	·	
F 9.4	52 B VALUE	1.26830417	0,6000000000000000000000000000000000000	0.00000060		0F	10 42 52	B VALUE	1.26900849	0.0000000000000000000000000000000000000	-0.0000000- 0.00000065 -0.00000047	R.	100	B VALUE	0.75295979 0.00053936 0.00227938 -0.29230284	-0.0000010 -0.00000010 -0.00000003	0.00000063		
NECKESS TON	TOTAL		01.22 06.11 06.133		MODEL IS THE BEST 9 VARIABLE VARIABLE DET44 ENTERED	· · · · · · · · · · · · · · · · · · ·	REGRESSION ERRIN TOTAL		INTERCEPT OET1 DET4	06111 06133	2000	DET4 REPLACED BY DET3	REGRESSION FRRIIR TOTAL		18164660T	06111 06133 06133	C203 0103 0304		

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F 8.75	1 99	2000	2.06 11.06 0.23 5.72		u.	8.83	٠.	1.93 2.32 2.74 10.31	4.23 13.82 10.11 1.011 4.21		u	8.05	•	4400	10017	?=;	
иели SOUARE 14.97428078 1.71081365	TYPE 11. S	6.1512295 7.2065154 5.6327462 4.8235187	3.5285173 18.91956938 0.39317473 9.7831434		EAN SQUAR	15,01609693	TYPE II SS	3.27623417 3.94673322 4.65200955 17.55787186	7.19415406 23.50545101 23.50550459 17.19810505 1.99423389 7.16273720		MEAN SO	13.76893461 1.71070001 1.785 11.88	.78996R7	5.9174190 7.6480218 8.32525218	24.24234668 24.29734668 17.77262441	. 1380878 . 1380878	
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ē - i	221.5969R113			0.00000234 0.00045645 0.000191378 0.00025688	0.69293804	SUM IN SUITARES	153.55297865 68.04400248 221.59698113	STD ENROR			0.000190950 0.000025231 0.00000013						**************************************		
		0.51858049 0.00035496	0.00027902 -0.35091056 0.940462H7	0.00000942 0.00077040 -0.00679741 -0.00044866	R SQUARE	J	111	B VALUE	0.81918954	0.97894702	-0.00082248 -0.00648990 -0.00000015	VARIABLE MODEL FOUND.							
DETZ REPLACEU NY DET4	HEGRESSION FRRUR TOTAL	INTERCEPT	PET 4	2022 (2023 (2013 (2014 (204	DETI REPLACED BY DID2		REGRESSION ERRUR TOTAL		JUTERCEPT DET3 DET4	CF122 DEC123	0.000 0.000 0.000 0.000 0.000	MODEL IS THE BEST 11		-					-
STEP 11					STEP 11							THE ABOVE							

EXTREMES -0.19 -0.19 -0.20 NORMAL PROBABILITY PLOT Ŧ 20000 20000 20000 QUANTILES (HEF#4) CYLINDER IPRIPANE 2.27 1.27 1.00 1.00 1.00 1.00 FREQUENCY TABLE IIIIIVARIATE X C U BOXPLOT CUUN 0044400 0044400 0044400 0044400 きょらて付いるようほうきょう UN WGTS SUM WGTS SUM VARIANCE KURTUSIS CSS STO MEAN PRUBDATA STEM.LEAF MIMENTS 00200000200000 259-1342 44461135 44466135 03297 03297 0117 0144 920 CONFORCAUDE SALVON VAR 1 ABLE # CL 2 STD DEV SKEUNESS USS TIME ANSO

0 HTGHEST 5713-84 5816-57 6422-95 7082-59 7396-46 EXTREMES PROBABILITY PLOT NURHAL 0000 0000 0000 0000 0000 0000 QUANTILES (DEF=4) UNIVAKIATE \$750+ 4250+ #1551116 VALUE RANGE 03=01 MODE Z NOMEMBER A44400 NOVER CONTRACTOR OF CONTRA HUXPLOT CERFFEF 0.0001100 0.0001100 0.0001100 0.0001100 0.0001100 SIM MGTS SMM MGTS VARIANCE KURTOSIS CSS CSS CROBATTA MIMENTS 78 VARIABLE = NETI STEAN STEAN SKEWNESS USS CV CV SGW RAIN NUM # 0 I-25

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APPENDIX J 1977 GM OLDS 350 CID V8 ENGINE ASTM SEQUENCE III-D TEST

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J-24 ASTM Sequence III-D Fail Data

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J-25 ASTM Sequence III-D Fail Correlation Matrix

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* These models were all developed early in the study and are based on a slightly different data collection methodology than that outlined in Table 1.

TABLE J-1
PRELIMINARY INFRARED PEAKS AND REGIONS USED FOR ASTM III-D CALCULATIONS

IR VARIABLE	PEAK/REGION	CONTAMINATION/DETERIORATION PRODUCT
CL1	3800 cm ⁻¹	carbon loading (soot)
CL2	1980 cm ⁻¹	carbon loading (soot)
Det 1	3400 cm ⁻¹	hydroxyl
Det 2	1764 cm ⁻¹	oxidation
Det 3	1710 cm ⁻¹	oxidation
Det 4	1618 cm ⁻¹	nitration/carboxylates
Det 5	1590 cm ⁻¹	aromatic
Det 6	1396 cm ⁻¹	oxidation/nitration
Det 7	1456 cm ⁻¹	oxidation/nitration
Det 8	1226 cm ⁻¹	oxidation/nitration/sulfation
Det 9	1130 cm ⁻¹	oxidation/sulfation
Det 10	1100 cm ⁻¹	oxidation/sulfation
Det 11	1070 cm ⁻¹	oxidation
Det 12	490 cm ⁻¹	aromatic
Det 13	660 cm ⁻¹	ZDDP depletion
Det 14	2640 cm ⁻¹	carboxylic acid
Det Il	3600-3060 cm ⁻¹	hydroxyl
Det I2	1880-1650 cm ⁻¹	oxidation
Det I3	1880-1520 cm ⁻¹	oxidation/nitration/carboxylates
Det I4	1650-1520 cm ⁻¹	nitration/carboxylates
Det I5	1300-1000 cm ⁻¹	oxidation/nitration/sulfation

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VARIABLE	כרס	DET1	DET2	DET3	DET4	FD1	F02	F013	ZN3	HRS	FE	vis	TAN	TS	608	נרי	1.00000	*0.25092	0.671	1.00000 56	26940 26940 56	DET2 1.00000		,	0FT3 1.00000 56	-0.27227 -0.27227	

2.26596	5.35900 56	-0.108]F	-0.3526]	0.07539 56	F02 0.12507	VIS 6317754	0.17754
2- 32 18E.0	0.5323\$ -0	-0-12507	0.50265 50 = 0.50250	0.18895	-0.22153 -0	-0.26923 C	-0.18364 0
9. 10. 609. n	0.5583 50 50	-0.18365	0.55489 56	-0.25572 56	0.35931 51	HRS 0.35931	0.2744 49 49
0.75688	HRS 0.63260 56	-0.19371	0.65289 56	0.27447	0.50155 56135 56	0.35957 50	0.59635 495
0122 0.76779-015-015-015-015-015-015-015-015-015-015	0.741985 56	-0.25052	0.76362 56	0.33793 56	0.630E 10E 80E 80E	0.40885	0.61354 69
8.0	0.77209	-0.25577 -6.25577	0.821999 491999	0.35957 50	0.63260 0.63260 56	0.46926 50	0.630H 8050 8050 8000
0.83252 0.83252	0.87098 0.87098	-0.25826 -0.25826	0.89750 56 56	D. 38172	0.63846 57	60.50265 0.50265	0.76581 0.4691
0.89945	0.89687 8687 56	-0.27227	1AN 0.91604 56	0.39231 56	0.64552 57 57	0.55783 51	0.76640
93615 0.92982	0.92971 0.92971	-0.27370	0.91807 0.91807	0.46575 56	65289 56	0.55835 50	DET4 0.76776 49
F013 0.93615	0,929814 0,92982	-0.29882 -0.29882	0.93615 56	0.53235 0.53235	0.74213 56	0.60627 0.50627	0.77209 6.77209
0.98306	0.95290 56	-0.35261 56	0.94241 56	P. 554893	0.79115 56	0.60915 50	0.77721 0.77721
10.98354 56.	0.95846 56846 56	-0.35900	0,97390 56	0.55666 56666	0.80122 56	DET3 0.62324 50	0.81747 0.81747
0.992560 56 0.000000	0.974373 0.974373 0.000000	-0.42460 -0.42460 0.00000	0.97437 56 0.00000	0.000000.0	0.84034 57 6000000	0.69247 0.000000	0.82199
DET4 1.00000 1.000000 -0.25826	FD1 1.00.000 56 -0.29991	1.00000 1.00000 0.01330	£ 700 . 25	ZN1 1.00000 1.00000 56 -0.04161	1.00000 1.00000 1.00000 1.000100 1.000100	1.00000 1.00000 51 -0.10817	1,00000

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	0.55783 0.33793 -0.27370	0.66805 0.65938 0.63846 0.61354 0.40885 0.36267 0.1937	-0.22153 -0.17551 0.07539	0.00000 0.00000 0.00000	
	0.68938 57	0.61355	TAN 0.22188	0.00000 0.00000	
NATIONS	0.765 V 165 194	. 0.63845 5485 5485	0.26406 86	00 ±00 ×00	
COEFFICIENTS / NUMBER DF OBSERVATIONS	0.78583 56583	0.65938 57	-0.26923	100 200 200 200 200 300 300 300 300 300 3	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
TS / NUMBE	0.82767	1 1	DET1	0.0000	
COEFFICIENTS / NUMBER DF O	0.84034 57	5 0.74198	3335 -0.27 CL2 556 -0.27 572	000000000000000000000000000000000000000	
CORRELATION C	3 0.89687 6 5687	3 DET4	-0.2	000000 0000000000000000000000000000000	
CURR	54 0.91604 56 0.91604	12 PD13	13 -0.28701 56 -0.28701	73 0.00000	
	13 DE12 04 0.96464 56	1.2 22 57 0 .76680.	F013 56 - 0.29330 56 - 556	172 DET3	
<u>ن</u> ن	14 0.97804 354 0.97804 56	505 505 505 505 505 505 505 505 505 505	36265 -0.29991 36265 -0.29991 00000	DET1 DET2 -000000 0 -000000 -0000000000000000000	
803		775 0.00000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0		
VIS	TAN 1.00000	TS TS TS TS TS TS TS TS TS TS TS TS TS T	56 CUB COB 1.00000 57 0.01337	0.00000	

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	PROBYF	0.0001	PPOBSF	0.0001			0.0001	PROBSE	0.0001		PRO8>F	0.0001	PROBSE	0.0001		PROBSE	10000	PROBSE	0.0001				
	. u.	336.97	1	336.97			181.81	e.	21.32		u	200.08	ч	20.99		F		ıL	26.33 17.96				
C(P) = 69.80727000	MEAN SOUAFE	43.32328839	TYPE II SS	43,32328829		C(P) = 62.31322248	21.9146049) 0.12053717	TYPE 11 SS	0.50592131 2.56955436	C(P) = 53,62333589	MEAN SQUARE	22.14613928 0.11068464	TYPE 11 SS	2. 22356739 3. <u>032</u> 62303	C(P) = 46.51449923	MEAN SOUARE	0.10262469	TYPE II SS	2.70238494 1.84315270				
0. 87531597	SHM OF SOUARES	41, 12, 12, 18, 19, 49, 45, 45, 45, 45, 45, 45, 45, 45, 45, 45	STO ERROR	0,00004123		3775	43.8292056C 5.6624704	STO ERROR	0.00232624	= 0. 89489372	SUM OF SOUARES	5.20217857 49.49445664	STO ERROR	0.00161630		SUM OF SQUARES	49.49445664	STD EF 40R	0.00484385				
P SCHAPE	J.C	44.0	A VALUE	5.04442058 0.00075681	VARIABLE MODEL FOUND.	R SQUARE	47 67 67	A VALUE	4.94331958 0.00476580 0.00059429	4 r SQUARE		64	8 VALUE	4. 92498102 0.00746552 0.01293856	P SQUARE	ne 2	27	R VALUE	4. 9555 6592 3. 0748 5660 0. 0109 63 80	TARLE "ONEL FOUND.			
VAPIABLE DETAR ENTERED		F ROP SSTUN FROD TOTAL		INTERCEDT	-	VARIABLE DETIS ENTERFO	PEGBESSION FREDR TOTAL		INTERCEPT NETTS NETTS	DETAG REPLACED BY DET 141		PPS TOTAL	• The second section of the second section of the second section of the second section	141 FRC 6P T 06 115 0 E 11414	DETIS REPLACEN BY DETB	S F CO F C TON	EPROP		147FPCEPT 05T9 05T1414	MODEL 15 THE REST 2 'VAR			
STEP I					THE A BOVE	STEP 2				STEP 2					STEP 2					THE ARCVE			

m	1112264	15,03707615	157.81	0.0001	
46	31 (0.0952875		700000	
B VALUE	. 4944565 STO FRRO	TYPE 11 SS	u	PRORVE	
4-9130	0.00757543	2.35634636	24.73	0000.0	
0.000	0.00012180	0.44013233	17.58	0.0369	
FOUN					
R SQUARE	= 0, 91647525	C(P) = 37.57828482			
D.F.	SIIM OF SQUERFS	MEAN SOUARE	u.	PRO8>F	
424	45.36044454	11.34011113	123.44	0,0001	
A VALUE	STD ERROR	TYPE 11 SS	L	PROB>F	
0.00354239	09585200-0		4.	0.1065	
0.72474473 -0.0029453 0.0195578	0.00888737 0.00012124 0.00451148		-Inc	0.0001	
<u>ب ا</u>	= 0, 91842694	C(P) = 37.76553942		e v v v	
	SUM OF SQUARES	MEAN SQUARE	u	PRUB>F	
445		0.09140852	80.98	0,0001	7
, «		-	·	90 08 x	
4. 85835819 0. 00387939	88	0.2411559	90	0-1121	
0.035041.63 -6.0004.71.96 0.01646729	2000	1.06435870 0.45841542 0.84154995	00-	0.0014 0.0305 0.0041	
DET1414 R SMIARF	209883		L	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
r 4	45.583818 3.910638	180	102.58	0.0001	
67	40.40445664				
A VALUE	STD EPROR	TYPE 11 SS	u.	PRORSE	
4. R1326742	0.00236732		3,21:	0.0801	
C. CCC52445 O. C423C631 -O. CCC57R7 O. 13465274	0.00021752 0.01018726 0.00020511 0.04079454		6.05 17.25 10.89	0.0179 0.0051 0.0065	_
	10.0337651 10.033	4.91307469 -0.033765103 -0.033765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.03765103 -0.0376103 -0.0	R SQUARE	Control Cont	F SQUIARE

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e e e e e e e e e e e e e e e e e e e	, 1983		٠		The grant		g. 4	. 10 10 10 10 10 10 10		*.					
	MARCH 24	<u>-</u>			(4000 A					• •					
	THURSDAY. HAR	PROBSE 0.0001	PROB>F	000000000000000000000000000000000000000		PROBSE	0.000	PROBSE	0.1321	0.0010 0.0054 0.0362		0.0001	PROA>F	0.0379 0.0581 0.0024	0.0026
	21:45 THI	105.14	L	2 98 1 6 39 1 8 2 9		4 6	70.11	u.	MCP.	12.50 8.57 4.67		92.04	u.	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.22
	Y S I S S Y S T E M DEPENDENT VARIABLE LVI C(P) = 33.77609321	MEAN SOUARE 9.13434337 0.08688045	TYPE 11 SS	0.25902649 0.62545219 1.42379269 0.80319602 1.58937645	C(P) # 32.00958210	MEAN SOUARE	0.08428169	TYPE 11 SS	0.19862727 0.25274195 0.81895133	1.05334417 0.72245034 0.39391864	C(P) = 31.09928664	MEAN SQUARE 7. 6531 4203 0.08315359	TYPE 11 SS	0.38171345 0.31511299 0.45745940	0.58392370
	I C A L A N A L FF I MPROVEMENT FOR = 0.92276428	504 OF SOUARES 45.67171683 49.62273582 49.644564	STD ERROR	0.00233792 0.00026048 0.00911166 0.00016528 0.03937697	0. 9267	SIIM OF SOUARES	49.45445664	STD ERROR	022023 002302	0.01638855 0.0001675 0.05263507	92775748	511M DE SOUARES 45.918R5216 3.5756046 49.4944564	₽	0.02485245 0.00288491 0.0032846	0.05118777
	STATIST VEXIMIN R-SQUAR R SQUARE =	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	R VALUE	4,8206 5348 0,00403584 0,0046 5888 0,13688585 -0,005 1629 0,16942042	IRLE MODEL FOUND. R SOUARE =	J.	449	R VALUE	4. 8434.2108 -0. 0338.6920 0. 00308.795	0.05793743 -3.00049059 0.11375264	P SOUAPE	DF 42-44	B VALUE	0.00144756 0.00164756 0.00105119	-9.75762574 7.73564498
	DET22 PEPLICEN AY DET142	REGRESSION . FRAND TOTAL		0.47 EP T	MCDEL TS THE REST S VARIABLE VARIABLE	Moranda	TATAL		147EPCE07 08.14 06.115 06.1145	0-114 0-1144 0-1141	DET142 REPLACED BY DET24	FFGRFSSION FPROP TOTAL		Ne 15 CEPT 06 17 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	NF 138 NE 1141 4
	1FP 5				THE AMOVE						TEP 6				

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2			free														
THUR SDAY . MARCH		PROBSE	0.0001	PROBSE	00.00	0000		PRIJASE	0.0001	PROBYE	9.00422	000000000000000000000000000000000000000		PROB>F 0.0001	PROBSE	000000000000000000000000000000000000000	0.0000
21:45 TH			82.96	u.	7 28	7 2 3 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		u.	84.56	u.	8-39	122 122 1049 1066 1066		95.92	ų	14.58	10.96 7.60 22.27
1 S S Y S T E M ENDENT VARIABLE LYI	= 28.64430	MEAN SOUARE	6.59375008	TYPE 11 SS	5787365 3892725	1-42980845 0-70988441 0-58709207 0-23739841	77,54038477	MEAN SQUAFE	6. 60215377 0. 07808049	TYPE 11 SS	0.34275499	0.8320858 0.8320858 0.42629456	. 20.	MEAN SOUAPE 6.65440746 3.06937153	TYPE 11 SS	3177867	0.52732559 1.54732559 1.54512697
I C A L A N A L V S 1	0. 93755394	F SOUA	46.15625057 3.33820607 49.45445664	STD ERANR	0264878 0022560	0.001876747 0.00019175 0.1175831 0.0080910	4247	S IM OF SUIARES	46.21507635	49449 FD EP	0022369	0.00098816 0.00098816 0.1237373669	C.94113271 C(P)	S.IM OF SQUARES 46.5808520	.4944566 STD EFFN	E 23	0.00733345 0.1157855 0.01210554
STATISTI	F SQUAPF	DF	242	R VALUE	30450	0.07055996 -0.00057317 0.3144832 -0.01398344	۵	ŲĘ	C 7		7580 3046 3020	0.0078 5000 -0.00476 6003 -0.00476 6003 -0.0039 1455	# SCHAPE #	nr 7 7	G VALUE	8250 0024 0024	0.12416736
	VARIABLE DET214 ENTERED		FEGRESSION FEBRO TOTAL		NITERCEPT DET4 PET15 DET2		11 6		PFGPESSION F2POP	10. AL.	14TFP(EPT 0FT15 0FT15	NCT 4 P 134 D 71414	DET38 PFPLACED BY DET1414	PO CORPOSITION FOR A CORPORATION A CORPORATI	_	No Tisk	
•	STEP 7						STFP 7						STFP 7				

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94.15 0.0001 F PRDAYF	13-13 15-24 15-24 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-41 19-61	31	105.31 0.0001	F PROB>F	000	27 - 91 27 - 9	F PROB>F	101.96 0.0001	4	14-112 5-18 0-0295 6-51 0-0120	000 000	
6.66329989 0.06788946 TYPF 11 SS	0.95986324 0.95986324 1.03450593 1.611765124 0.61176724	- a	MEAN SQUAPE 6.68951575	**************************************	1213	1.03629713 0.69308170 1.72413217 1.64302198	C(P) = 12.45232205 MEAN SQUAPE	5-89070873		0.39405931 0.39405931 0.394455		
46.64309515 2.88135749 49.49445664 STD EFRCR	0.000284478 0.000284478 0.00035171 0.0104271	0.94509808	\$QUARES	Na	000210	0.01341693 0.01345102 0.01345702	0.95214036 SUM OF SQUAMES	47.12566958 2.36878706 40.4944664	TO ER	0.00047102 0.00136F34 0.00017172	10966 02288 02960	
4 4 VALUE	4.71972434 0.00897624 10.00137294 0.4676272 0.4666672	R SCUAPE #	F F	49 B VALUE	7567EA	0.03158661 0.37464681 -0.07010975 0.07281842	R SCHARE =	8 T 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 VALUE	0.00325544 -0.00325544 -0.000451316	0.113257476 0.113257476 0.13257452	
PF G PF S S I ON F G PF S S I ON F G PF G PF G PF G PF G PF G PF G PF G	18.150 CEPT	DETZ4 REPLACED BY DETZ2	PEGRESSION	TOTAL	1917 FACEPT NF 115 NF 1729	4 17 1	VARIABLE DET142 ENTERED	Propession Frank Total) p-p	0.07172 0.07172 0.07184	0F71414 0F7254 0F71414	

T M C F OHLOCALA	N A L Y S 1 S NT FOR DEPENDENT
# 47.19440265 5.89980033 11 4 4 4.19440265 6.06400132 11 4 4 4.19440265 6.065600132 11 FECEPT 6.06460145 0.01462463 0.65259456 0.001831845 0.0001946 0.0001831845 0.0001831	C(P) = 11.08742354 APES MEAN SQUAKE
## VALUE STO FPROR TYPE II SS ## VALUE STO PROR TYPE II SS ## VALUE STO PROPERTY	5.89980033 105.35
PEST B VERIABLE WIDEL FORMULA PEST B VERIABLE WIDEL FORMULA	TYPE II SS
14	0.55259456 1.35031795 1.26145374 22.63
BEST B VARIABLE MODEL FOUND.	0.55034734 0.55034734 1.001359648 1.71561338
	A CANADA

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1983					· · ·				17
MARCH 23.	0.0001	0.0001		0.0001 PROBYF	0.0001		,		
19:10 WEDNES		1620.10		954.25 0	1103.52 0	,			
Y S I DEPEND	2015.35863325 1.2439750)		C(P) = 6.34816549	HEAN SQUARE 1012,95385681 1,06152196 TYPE II SS	11 71 - 09476364				
C A L I MPR NV 0. 96890	2015.35863325 2015.35863325 2080.04533333	0.00212575	= 0.97397287	2025,90771362 2025,90771362 2080,04533333 STD ERRCR	0.00276531				
T A T I S T IMIJH R-SQUA P SQUARE		2.59033794 0.08572313	VARTABLE PODEL FOUND. O R SQUARE	DF 53 8 VALUE	2.53409340 0.09184919 -0.01386969	VARIARLE MODEL FOUND.			
VARIABLE DETIS ENTERED	REGRESSION FRANK TOTAL	INTERCEPT DETIS	MEDEL TS THE REST I VARI	GEGRESSION EPROR TOTAL	INTERCEPT DETIN DETII	~			
STEP 1 V			STEP 2 V			THE ABOVE H			

0.25.25.02.03.00.00.25.25.66.00.00.00.00.00.00.00.00.00.00.00.00.	STD ERROR TYPE 11 SS F PROBYF	.00000909	776 10217 - 127 - 127 - 276	ADEC LOSCIANTES AND SOURCE LOSCIANOS	0.31490226 0.00262333	STD ERROR TYPE II SS F PROBSP	0.00002525 0.08641511 32.94 0.0001	C(P) = 109.85568361	0.32397218 142,87	STD ERROR TYPE II SS F PROBYF.	0.00002696 0.11824281 52.14 0.0001 0.00001699 0.53325051 235.16 0.0001	C(P) = 109.84170362	SQUARES MEAN SQUARE F PROBYF	0.11563799 0.00226741 142.88 0.0001 0.11563799 0.00226741	STO ERROR TYPE II SS F PROBYF	0.00002644 0.11825303 232.95 0.0001			
52	R VALUE	0.004601273	VARTABLE MODEL FOUND.	STATE OF STATE		B VALUE	0.00016769 0.00016790 0.00014709	R SQUARE = 0.84854721			0.00269[1] 0.00016846 0.00016846	SOUARE = 0.84856C62	DF SUM OF	51 00.1		0,001824331 -0,00019492 -0,00019492	IBLE MODEL FOUND.		
TARDA TAL		INTERCEPT NET44	- 2	3	RF GRESSION	36	INTERCEPT DET313 DET44	DET44 REPLACED BY DET14D4	R FGRESS ION FRACE TOTAL		06T 1404	DET 313 R EPLACED BY DET 1213		PEGRESSION FRPOR TOTAL		INTERCEPT 0FT1404 0FT1713	MODEL IS THE REST 2 VARIABLE		

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								- II), " , 3,				10 mg/1							
0.0001	PROBSE	000		PROBYE	0.0001	PR.08> F	000		PROBSE	0.0001	PROB>F	0.0000		PROBYE	1000 0	PR OB>F	0.0000	0.0001			
116.96	u	10.71 94.48 55.98		L	118.69	Œ	12 80 99 72 57 36		<u>u</u>	125.45	u.	15.93 131.39 76.28		u.	127.34	u.	137.13	77.96			
0.22278393	TYPE 11 SS	0.02039718 0.17997495 0.10663489	C(P) = 82.33767605	MEAN SQUARE	0.22319117	TYPE 11 SS	0.02405986 0.18750854 0.10785660	C(P) = 76.23256408	MEAN SQUARE	0.22468086	TYPE 11 SS	0.02852892 0.23532390 0.13661019	C(P) = 74.62811889	, MEAN SOUARE	0.22507267	TYPE 11 SS	0.03842333	0.13778564			
0.066835179	STD ERROR	0.00075513 0.00002523 0.00002488	7687	SUM OF SOUARES	0.09401508	STD EPROR	0.00074782 0.00002528 0.00006169	. 0.88272540	SIJN OF SOUARES	0.67404257	STD EPROR	0.00037491 0.00002140 0.00006164	0.88426476	SUM OF SQUARES	0.67521802	STD EPROR	0.00038271	0.00003495			
45. A		0.00247103 -0.00247103 -0.000124528	413 R	0F	503	8 VALUE	0.05365459 -0.00267498 -0.00025248 -0.00046725	R SQUARE =	06	E-04	8 VAL	0.04784058 -0.0015C428 0.00024536 -0.00053335	13 R SOUARE =	DF	5.3	B VAL	0.0502552 -7.00178439 0.00025935	-0.00036855	IABLE MODFL FOUND.		
PEGRESSION FRROR TOTAL		19 TERCEPT 19 TE 1904 0F T 1213	ICED BY DET!		PEGRESSION FRANK TNTAL		INTERCEPT 0FT9 0ET1404 0ET1413	DET9 REPLACED BY DET3		REGRESSION FRROR FOLTAL		DINTER EPT 0213 0611404 0611413	DET1413 PFPLACED BY NET91		REGRESSION FRROR TOTAL		NTERCEPT DET3 OF T1404	DFT 0] 3	MODEL IS THE REST 3 VAR		
			STEP 3					STEP 3					STEP 3						THE ABOVE		

VARIABLE DETT4 ENTER	RED R SQUAR	F = 0, 91666764	C(P) = 42.85536035				
	n.F	SIM OF SO	MEAN SQUARE		PRESSE		
PEGPFSSION FRROR TOTAL	444	-	0.17499016	134.75	0.0001		
	VALU	TO ER	TYPE 11 SS	ıL	PROB>F		
NYEFCEPT 0F14 0F1404 0F191404	0.0289849 -0.0026934 -0.0026634 -0.0026934	0.00129017 0.000022175 0.00002217 0.00002217	0.02474260 0.06316546 0.11581823 0.13695652	19.05 48.64 103.92	0000	9	
OVE MODEL IS THE REST .	4 VARIABLE MODEL FOUN	D•					
VARIABLE CLI ENTERE	O R SQUAR	E = 0.92512250	C(P) = 36.04305425	u	9		
PEGPESSION FRROP TOTAL	2 44	0.764166 0.0571759 0.7635925	00.00	118.61			
-	B VAL	STO ERROR	TYPE 11 SS	u.	PROB>F		
(1) 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-0.0103919446 -0.00595088	0.00472125 0.00123596 0.00040675	0.00645607 0.02251515 0.05742464 0.11769881	18.90 48.21 98.31	000000000000000000000000000000000000000		
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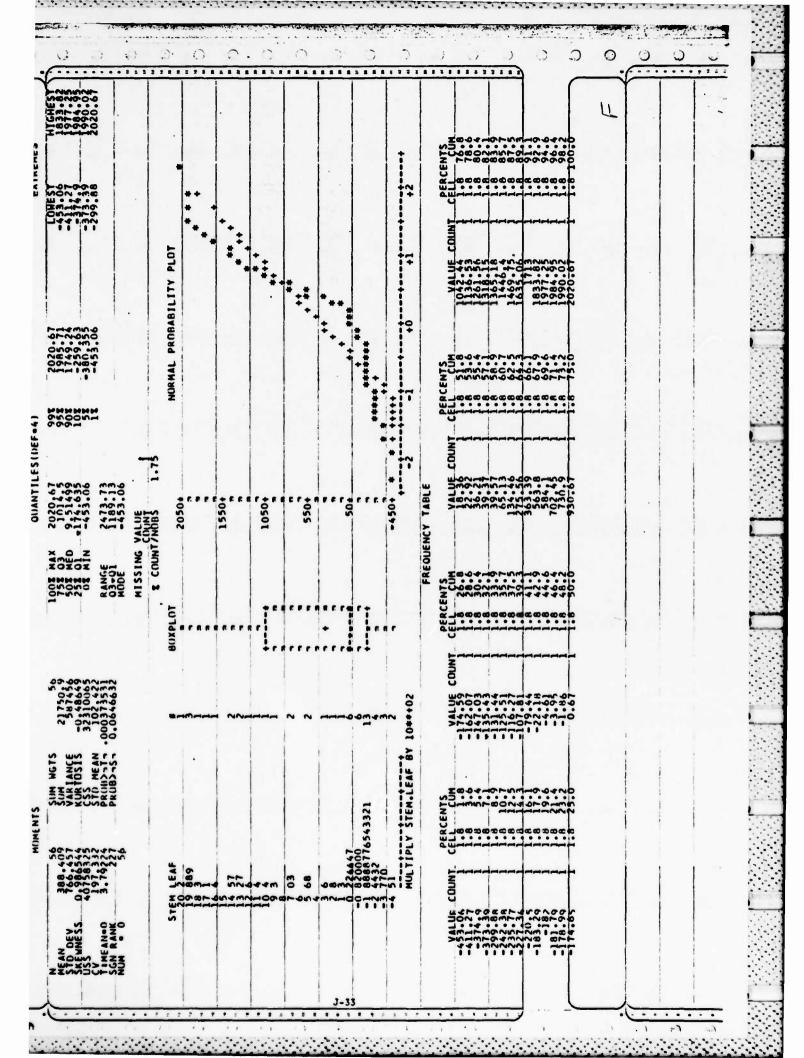
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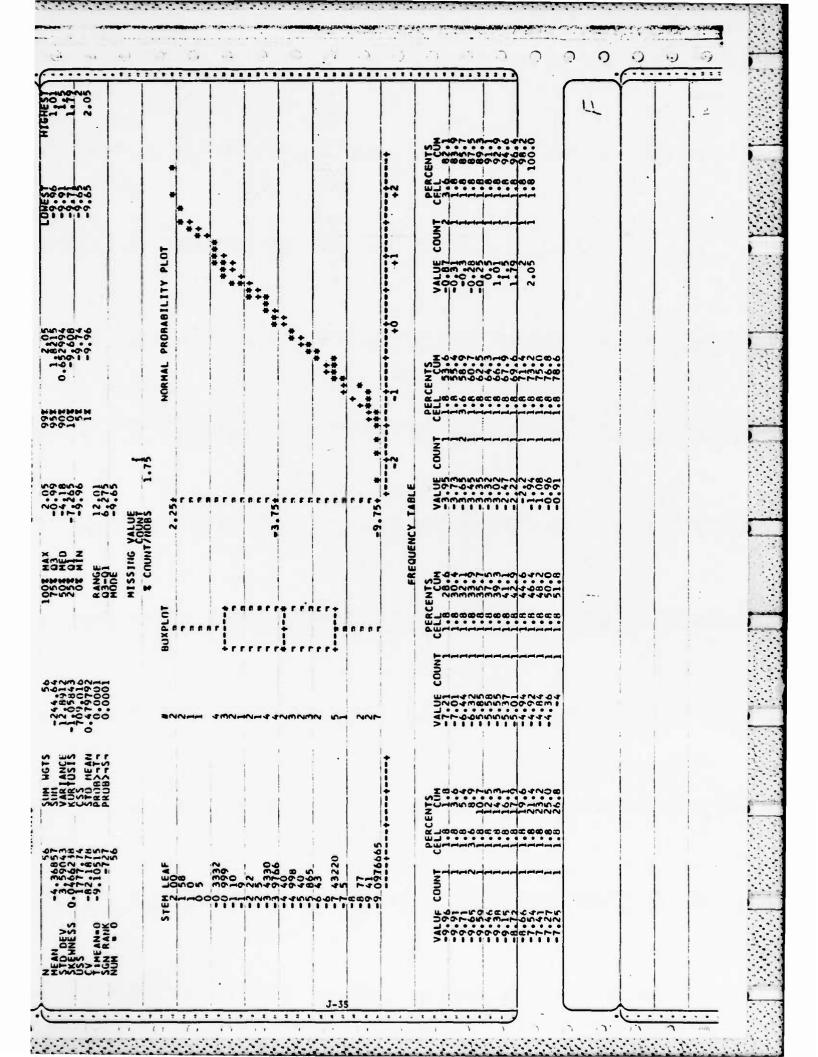
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1.84097004	2349,00849635	2675,13975946	1777,65927871	7224.42592814	5.84923659	3,75424861	821,72621007	3.67657262	21,77519687	348,44184999	678,88015207	6.24754241	10,58839964	12,38505774	CURRELATION COEFFICIENTS	0.89507 0.86595	0.84249 0.79251	0.96216 0.93799	0.93560 0.92837	-	
2.22500000	945,35965517	2417.62965517	1884,86310345	7660.90034483	3,03482759	1,57033333	486.41103448	-3.51172414	29,28336667	495.37500000	525.50000000	9,54000000	7.24000000	17.7000000	CURREL	0.92837 0.91899 0.90919	0.95410 0.90042 0.85592	0.98783 0.98048 0.97116	0.98783 0.97834 0.95295		
30		53	56	53	56	30		53	30	54	54	30	30	30		0.93799 -0.000000	0.97174 0.97174 0.00000	0.98798 0.98798 0.00000	0.99305 0.99305	0.00000	
CL2	DETL	DET2	DET3	0ET4	FUI	FD2	F013	ZNI	HRS	FE	VIS	TAN	15	COB		1.00000 30 -0.18557	DET1 1.00000 -0.34167	29 DET2 1.00000 -0.25284	DET3 1.00000	-0.21759 -0.21759	

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0.66281 29	-0.16941	0.70996 29	0.27639	0.54085 29	0.48737 24	0.48196	
0.72810	0.18557	0.7451	0.36507 29	0.662801	0.50362 23	0.54166 24	
0.78196	-0.19717	0.81119 24 24	0.40596 29	0.67885 30	-0.52572 24	0.78196 24	
TAN 0.88964 29	-0.20015	0.90519	0.62414 29	0.70996 29	FD13 0.58862 23	HRS 0.80612	
0.895012	0ET3	0.91022 29	0.43769	0.77068	0.60023	60.811193 0.81119	
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